



PRELIMS'26

SIMPLE Notes EVS+Concepts



June 2025









ENVIRONMENT

National Parks in News

Protected Area / Ecological Region	Location	Key Details	Relevance for UPSC & Other Exams	PYQ
Ranthambore National Park	Rajasthan	- Tiger-human conflict due to poor wildlife ethics NTCA guideline violation Shift from tiger numbers to ecological quality.	- Human- Wildlife Conflict example NTCA & carrying capacity.	UPSC PRELIMS 2020: Among the following Tiger Reserves, which one has the largest area under "Critical Tiger Habitat"? (a) Corbett (b) Ranthambore (c) Nagarjunsagar-Srisailam (d) Sunderbans
Guru Ghasidas, Indravati, Udanti– Sitanadi TRs	Chhattisgarh	- Declining prey base due to habitat loss, hunting, mining.	- Importance of prey base in tiger conservation.	
Similipal, Satkosia TRs	Odisha	- Declining ungulate populations from habitat loss and poaching.	- Odisha's tiger conservation threats.	
Palamau TR	Jharkhand	- One of the first Tiger Reserves; now declining due to prey shortage.	- Example of ecosystem degradation.	
Western Ghats	Maharashtra, Goa, Karnataka, Kerala, TN	- Targeted by Green India Mission Rich biodiversity and policy resistance (Gadgil report).	- Biodiversity Hotspot Climate restoration target area.	UPSC PRELIMS 2017: From the ecological point of view, which one of the following assumes importance in being a good link between the Eastern Ghats and the Western Ghats? (a) Sathyamangalam Tiger Reserve (b) Nallamala Forest (c) Nagarhole National Park (d) Seshachalam Biosphere Reserve UPSC PRELIMS 2016: In which of the following regions of India are you most likely to come across the 'Great Indian Hornbill' in its natural habitat? (a) Sand deserts of northwest India (b) Higher Himalayas of Jammu and Kashmir (c) Salt marshes of western









				Gujarat (d) Western Ghats
				UPSC PRELIMS 2016: 'Gadgil Committee Report' and 'Kasturirangan Committee Report', sometimes seen in the news, are related to (a) constitutional reforms (b) Ganga Action Plan (c) linking of rivers (d) protection of Western Ghats
Aravalli Hills	Rajasthan, Haryana, Delhi, Gujarat	- Green Wall initiative Illegal mining despite SC ban.	- Landscape restoration and governance.	
Himalayas	Northern India	- Green India Mission target for ecological restoration.	- Fragile mountain ecosystem.	UPSC Prelims 2016: In which of the following regions of India are you most likely to come across the 'Great Indian Hornbill' in its natural habitat? (a) Sand deserts of northwest India (b) Higher Himalayas of Jammu and Kashmir (c) Salt marshes of western Gujarat (d) Western Ghats UPSC PRELIMS 2016: Which of the following best describes/describes the aim of the 'Green India Mission' of the Government of India? 1. Incorporating environmental benefits and costs into the Union and State Budgets thereby implementing the 'green accounting' 2. Launching the second green revolution to enhance agricultural output so as to ensure food security to one and all in the future 3. Restoring and enhancing forest cover and responding to climate change by a combination of adaptation and mitigation measures Select the correct answer using the code given below. (a) 1 only (b) 2 and 3 only (c) 3 only (d) 1, 2 and 3









Mangroves	Coastal India	- Targeted for	- Coastal	UPSC PRELIMS 2017: If you
Mangroves	Ouastal IIIula	protection & restoration under GIM Cyclone buffer, biodiversity	ecology focus Blue carbon value.	want to see gharials in their natural habitat, which one of the following is the best place to visit?
		hub.		(a) Bhitarkanika Mangroves(b) Chambal River(c) Pulicat Lake(d) Deepor Bed
				upsc prelims 2016: What is/are unique about 'Kharai camel' a breed found in India? 1. It is capable of swimming up to three kilometers in seawater. 2. It survives by grazing on mangroves. 3. It lives in the wild and cannot be domesticated. Select the correct answer using the code given below. (a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3 UPSC PRELIMS 2015: Which one of the following regions of India has a combination of mangrove forest, evergreen forest and deciduous forest? (a) North Coastal Andhra Pradesh (b) South-West Bengal (c) Southern Saurashtra (d) Andaman and Nicobar Islands
Pachgaon	Maharashtra	- Community-	- Community-led	UPSC PRELIMS 2023:
Village (Community Forest)	เทสเสเสราไปส	managed bamboo forests under FRA Sacred grove preserved, no forest fires.	conservation FRA in action.	Consider the following statements: Once the central government notifies an area as a 'Community Reserve' 1. The chief wildlife Warden of the state becomes the governing authority of such forest. 2. Hunting is not allowed in such areas. 3. People of such areas are not allowed to collect non timber forest produce. 4. People of such area are allowed traditional agriculture practices How many of the above statements are correct? (a) Only one









	(b) Only two (c) Only three (d) All four
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ANIMAL SPECIES JUNE 2025

Name	Why in News?	Important Information	PYQ
Tiger	Its health depends on availability of prey (ungulates).	Tiger is an umbrella species; decline in prey base impacts its population. Protected under Schedule I of WPA, 1972. Part of Project Tiger and CAMPA. Indicator of healthy ecosystem.	UPSC PRELIMS 2020: Among the following Tiger Reserves, which one has the largest area under "Critical Tiger Habitat"? (a) Corbett (b) Ranthambore (c) Nagarjunsagar-Srisailam (d) Sunderbans UPSC PRELIMS 2019: Which of the following are in Agasthyamala Biosphere Reserve? (a) Neyyar, Peppara and Shendurney Wildlife Sanctuaries; and Kalakad Mundanthurai Tiger Reserve (b) Mudumalai, Sathyamangalam and Wayanad Wildlife Sanctuaries; and Silent Valley National Park (c) Kaundinya, Gundla Brahme-swaram and papikonda Wildlife Sanctuaries; and Mukurthi National park (d) Kawal and Sri Venkateswara Wildlife Sanctuaries; and Nagarjunasagar-Srisailam Tiger Reserve UPSC PRELIMS 2019: Consider the following statements: 1. As per law, the Compensatory Afforestation Fund Management and Planning Authority exists at both National and State levels. 2. People's participation is mandatory in
			the compensatory afforestation programmes carried out under the Compensatory Afforestation Fund Act,









			Which of the statements given above is/are correct? 1 only 2 only Both 1 and 2 Neither 1 nor 2 UPSC PRELIMS 2017: From the ecological point of view, which one of the following assumes importance in being a good link between the Eastern Ghats and the Western Ghats? (a) Sathyamangalam Tiger Reserve (b) Nallamala Forest (c) Nagarhole National Park (d) Seshachalam Biosphere Reserve UPSC PRELIMS 2017: The term 'M-STRIPES' is sometimes seen in the news in the context of (a) Captive breeding of Wild Fauna (b) Maintenance of Tiger Reserves (c) Indigenous Satellite Navigation System (d) Security of National Highways UPSC PRELIMS 2014: Consider the following pairs: 1. Dampa Tiger Reserve: Mizoram 2. Gumti Wildlife Sanctuary: Sikkim 3. Saramati Peak: Nagaland Which of the above pairs is/are correctly matched? (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3
			UPSC PRELIMS 2014: Consider the following statements: 1. Animal Welfare Board of India is established under the Environment (Protection) Act, 1986 2. National Tiger Conservation Authority is a statutory body 3. National Ganga River Basin Authority is chaired by the Prime Minister Which if the statements given above is/are correct? (a) 1 only (b) 2 and 3 only (c) 2 only (d) 1, 2 and 3
Ungulates	Studied in relation to tiger survival.	Includes deer, antelope, wild boar, etc. Form the primary prey base for large carnivores. Their population is critical for maintaining predator-prey balance in forest ecosystems.	
King Cobra	MP CM proposed breeding	World's longest venomous snake. Protected under Schedule II , WPA. Found	









	and counting king cobras.	mainly in Western Ghats and Northeast. Highly venomous but shy. IUCN Status: Vulnerable .	
Invasive Alien Species	Linked to trade barriers and ecosystem risks.	Disrupt native biodiversity, agriculture, and forestry. Examples in India: Lantana, Parthenium, Prosopis juliflora. Entry routes: global trade, horticulture. Managed under One Biosecurity approach.	
Squid (Cephalopods)	Fossil discoveries added 40 new species.	Important for understanding marine biodiversity evolution. Squid are fast-swimming invertebrates, important to marine food chains and fisheries. Potential link to climate change and ocean temperature studies.	



CONCEPTS in NEWS











Environment

Keyword	Official Definition	Easy Explanation
Transition Zone	A sharp boundary in the ocean where	A clear line in the ocean where
Chlorophyll Front (TZCF)	chlorophyll concentrations change rapidly,	there's a sudden big change in
	often associated with upwelling and high	green plankton, showing a very
	biological productivity.	fertile area.
Anthropogenic Iron Input	The deliberate introduction of iron into the	Humans deliberately putting iron
(Ocean Fertilization)	ocean by human activities, often proposed	into the ocean, usually to make
	as a geoengineering technique to stimulate	tiny plants grow more and soak
	phytoplankton growth and absorb CO_2 .	up carbon dioxide.
Ocean Deserts	Vast areas of the open ocean with very low	Large parts of the open ocean
	biological productivity, characterized by	that have very little marine life
	clear blue water and limited marine life.	and are like watery deserts.
Exposomics / Exposure-	The study of the totality of human	The study of all the
Wide Association Studies	environmental exposures and their effects	environmental factors a person
(EWAS)	on health (Exposomics), often involving	is exposed to throughout their
	Exposure-Wide Association Studies	life, and how they affect health.
	(EWAS).	
Untargeted Biomonitoring	A method of biomonitoring that broadly	Testing blood or urine for many
	screens for a wide range of chemicals and	different chemicals at once,
	their metabolites in biological samples	without knowing exactly what
	without pre-selecting specific targets.	you're looking for.
Organs-on-a-Chip	Microfluidic devices engineered to simulate	Small lab devices that mimic
(Environmental Health)	the physiological functions of human	human organs, used to test how
	organs, used for testing environmental	chemicals affect us without
	toxins without animal testing.	using animals.
Epigenetic Switch	A reversible molecular change that turns	A way to turn genes on or off,
(Environmental impact)	genes on or off without altering the	like a light switch, often due to
	underlying DNA sequence, often	things in our environment,
	influenced by environmental factors.	without changing the actual
		DNA.
PM2.5 (Particulate Matter	Fine inhalable particles, with diameters	Tiny air pollution particles,
2.5)	that are generally 2.5 micrometers and	smaller than a human hair, that
	smaller, produced from various sources	can get deep into your lungs.
	including burning fuels.	









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Urban Heat-Island Effect	The phenomenon where urban areas are	Cities getting hotter than nearby
	significantly warmer than surrounding rural	rural areas because of buildings,
	areas due to human activities, built	roads, and less greenery.
	structures, and reduced vegetation.	
Net-zero emissions	Achieving a balance between the amount	Putting no more climate-
	of greenhouse gases emitted and the	changing gases into the air than
	amount removed from the atmosphere.	what is taken out.
Carbon Pricing	A policy tool that puts a price on carbon	Putting a cost on carbon
	emissions to encourage polluters to reduce	pollution to make companies
	their emissions.	reduce how much they release.
Green Compliance	Adherence to environmental laws,	Following all the environmental
	regulations, and standards by businesses	rules and regulations set by the
	and organizations.	government.
Monocultures (farming)	The agricultural practice of growing a	Growing only one type of crop
	single crop or raising one type of livestock	over a large area, which can
	in a specific area, often leading to reduced	harm variety in nature.
	biodiversity.	
Biodiversity Hotspots	Biogeographic regions that are both a	Areas rich in different kinds of
(concept)	significant reservoir of biodiversity and are	plants and animals, but are also
	under threat from humans.	highly threatened.
UNFCCC (United Nations	An international environmental treaty	An international treaty where
Framework Convention on	established in 1992 to combat dangerous	countries agree to work together
Climate Change)	human interference with the climate	to stop harmful climate change.
	system.	
SB 62 (Bonn Climate	The 62nd session of the Subsidiary Bodies	A specific meeting where
Change Conference)	(SBI and SBSTA) of the UNFCCC, often	countries discuss climate
	referring to a specific meeting in Bonn.	change issues under the UN
		framework.
Global Goal on Adaptation	A collective objective under the UNFCCC	An international aim to help
	to enhance adaptive capacity, strengthen	countries better prepare for and
	resilience, and reduce vulnerability to	cope with the effects of climate
	climate change.	change.
Loss-and-Damage Fund	A fund established under the UNFCCC to	Money set aside by rich
	provide financial assistance to developing	countries to help poorer
	countries particularly vulnerable to the	countries deal with unavoidable
	adverse effects of climate change.	damage from climate change.
Subsidiary Body for	A body under the UNFCCC that assists the	A UN group that helps check if
Implementation (SBI)	Conference of the Parties (COP) in	countries are actually doing
	assessing and reviewing the	what they promised on climate
	implementation of the Convention.	change.









Subsidiary Body for	A body under the UNFCCC that provides	A UN group that gives scientific
Scientific and	scientific and technological information and	and technical advice to
Technological Advice	advice to the Conference of the Parties	countries on climate change.
(SBSTA)	(COP).	
Obstructive Sleep Apnoea	A sleep disorder where breathing	A sleep problem where
(OSA - Air Pollution link)	repeatedly stops and starts due to a	breathing stops temporarily, now
	blocked airway, with emerging links to air	being linked to air pollution.
	pollution exposure.	
Pre-industrial levels	Temperature conditions on Earth before	The Earth's temperature before
(temperature)	large-scale industrialization began	factories started polluting a lot,
	(typically pre-1750), used as a baseline for	used as a starting point for
	climate change targets.	climate goals.
Bushmeat Hunting	The hunting of wild animals for food, often	Hunting wild animals, often
	illegally and unsustainably, contributing to	illegally, for food, which harms
	biodiversity loss and disease transmission.	wildlife and can spread
	-	diseases.
Human-Wildlife Conflict	The negative interactions between humans	Problems that happen when
	and wild animals, resulting in adverse	people and wild animals live too
	impacts on both sides.	close and cause harm to each
		other.
Carrying Capacity (wildlife)	The maximum population size of a	The largest number of animals
	biological species that can be sustained	an area can support without
	indefinitely by a given environment.	running out of resources.
Invasive Alien Species	Species introduced outside their natural	Non-native plants or animals
	range that spread rapidly and cause	that spread aggressively and
	significant harm to native ecosystems,	damage local environments or
	economies, or human health.	economies.
Biocontrol (invasive	A method of controlling pests and invasive	Using natural enemies like other
species)	species using other living organisms, often	bugs or plants to control harmful
	natural enemies.	invasive species.
Ballast Water / Biofouling	Water carried in ship tanks for stability	Water ships carry for balance
(Maritime Ecology)	(Ballast Water), which can transport	(can spread sea creatures);
	marine organisms globally; the	marine life sticking to ship
	accumulation of organisms on ship hulls	bottoms.
	(Biofouling).	
One Biosecurity Approach	A holistic approach to managing risks to	A big-picture way to protect
	human, animal, and plant health, as well	people, animals, plants, and the
	as the environment, from pests and	environment from diseases and
	diseases across all sectors.	pests all together.
Evaporative Demand /	The atmospheric demand for water vapor	How much the air "wants" to dry
Thirstwave	from the surface (Evaporative Demand);	out the land or plants, indicating
-	, , , , , , , , , , , , , , , , , , , ,	how dry and hot it is.









		often referred to as 'thirstwave' in simplified	
		terms during heatwaves.	
Speleothems		Mineral formations (like stalagmites and	Rock formations in caves that
(Paleoclimatology)		stalactites) found in caves, used as proxies	scientists study to learn about
		to reconstruct past climate conditions.	Earth's climate thousands of
			years ago.
Green Arabia Hypoth	nesis	A scientific hypothesis suggesting that the	The idea that the Arabian desert
		Arabian Peninsula experienced periods of	was once green and wet,
		increased rainfall and vegetation during	making it easier for early
		past interglacial periods, making it more	humans to live there.
		habitable.	
Marine Heatwaves		Prolonged periods of unusually warm	Long periods when parts of the
		ocean temperatures in a particular region,	ocean get unusually hot,
		causing significant impacts on marine	harming sea life.
		ecosystems.	
Life Cycle Assessme	ent	A methodology for assessing	A study of how much
(LCA)		environmental impacts associated with all	environmental harm a product
		stages of a product's life from raw material	causes, from start to finish.
		extraction to disposal.	
Enhanced Rock		A carbon dioxide removal approach that	A method to take CO ₂ out of the
Weathering (ERW)		accelerates natural rock weathering	air by speeding up how rocks
		processes to absorb CO ₂ from the	naturally break down.
		atmosphere.	



Science and Technology

Keyword	Official Definition	Easy Explanation
Virtual Digital Assets	Digital representations of value that can be	Digital things like cryptocurrencies
(VDAs)	digitally traded or transferred, and used for	that can be traded or invested in.
	payment or investment purposes.	
Web3	A proposed decentralized iteration of the	The next internet, built on
	internet based on blockchain technology.	blockchain, where users have
		more control.
Cold Plates/Immersion	Technologies used to remove heat from	Ways to keep supercomputers
Cooling (Data	electronic components by direct contact with a	cool by touching them with cold
Centers)	cooled surface or by submerging components	surfaces or dunking them in
	in a dielectric fluid.	special liquids.









Long-Period Radio	Celestial objects that emit radio waves for a	Space objects that send out radio
Transients	duration of months to years, which is	signals for a very long time, unlike
	unusually long compared to typical pulsars or	usual radio stars.
	magnetars.	
Magnetar	A type of neutron star with an extremely	A super-dense dead star with an
	powerful magnetic field.	incredibly strong magnetic field.
Building-Integrated	Photovoltaic materials that are used to	Solar panels that are part of a
Photovoltaics (BIPV)	replace conventional building materials in	building's roof or walls, not just put
	parts of the building envelope, such as the	on top.
	roof, skylights, or facades.	
Kilowatt-peak (kWp)	A unit of power for solar panels, representing	How much electricity a solar panel
	their maximum power output under standard	can make at its best.
	test conditions.	
MIME types	A standard that indicates the nature and	Codes that tell your computer
	format of a document, file, or assortment of	what kind of file something is (like
	bytes.	a picture, text, or video).
Thermophilic Bacteria	Bacteria that thrive in extremely hot	Bacteria that love and grow well in
	environments, typically between 45°C and	very hot places.
	80°C.	
16S rRNA analysis	A common molecular method used to identify	A lab test to figure out what kind of
	and classify bacteria by sequencing the 16S	bacteria something is by checking
	ribosomal RNA gene.	its unique genetic code.
Antimicrobial	The ability of microorganisms (like bacteria,	When germs learn to ignore
Resistance (AMR)	viruses, and fungi) to resist the effects of an	medicines meant to kill them,
	antimicrobial drug to which they were	making infections hard to treat.
	previously sensitive.	
mRNAMAY (mRNA	A specific or hypothetical mRNA-based	A new way of making medicines
technology)	technology, likely for vaccine development or	or vaccines using special genetic
	therapeutics, referring to mRNA as a delivery	instructions called mRNA.
	system.	
Cryptobiosis /	A metabolic state of life entered by an	A state where an organism
Anhydrobiosis	organism in response to adverse	temporarily stops all life processes
	environmental conditions, characterized by a	to survive harsh conditions, often
	suspension of metabolic activities	by drying itself out.
	(Cryptobiosis), specifically drying out	
	(Anhydrobiosis).	
CAHS proteins	Cytoplasmic Abundant Heat Soluble proteins,	Special proteins in "water bears"
(Tardigrades)	found in tardigrades, which help protect their	that let them survive being
	cells during desiccation.	completely dried out.
Stratospheric Aerosol	A proposed geoengineering technique	Spraying tiny particles high in the
Injection (SAI)	involving the injection of aerosols into the	sky to bounce sunlight back into
		space and cool the planet.









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	stratosphere to reflect sunlight and cool the	
	Earth.	
Flue Gas	A set of technologies used to remove sulphur	A system in power plants that
Desulphurisation	dioxide (SO ₂) from exhaust flue gases of	cleans harmful sulfur out of the
(FGD)	fossil fuel power plants.	smoke before it goes into the air.
PM2.5 particles	Fine inhalable particles, with diameters that	Tiny air pollution particles, smaller
	are generally 2.5 micrometers and smaller,	than a human hair, that can get
	produced from various sources including	deep into your lungs.
	burning fuels.	
FOXP4 gene (COVID-	A gene identified in recent studies as	A specific gene that some
19)	potentially playing a role in COVID-19 severity	research links to how badly
	or susceptibility.	someone gets COVID-19.
GenomeIndia	A collaborative initiative to sequence 10,000	A big project to map the genetic
	Indian human genomes to build a reference	code of many Indians to
	genome for the Indian population.	understand their health better.
Crash-Survivable	A highly protected and durable component of	The super-tough part of a plane's
Memory Unit (Flight	a flight recorder designed to withstand	black box that holds all the data
Recorders)	extreme forces, heat, and water, preserving	even after a crash.
	recorded data.	
Al and	The application of artificial intelligence to	Using smart computer programs
Biomanufacturing	optimize and automate processes in	to make biological products, like
	biomanufacturing, such as drug production or	medicines or new materials, more
	material creation.	efficiently.
Digital Twins (in	Virtual models of physical objects, processes,	A virtual copy of a factory machine
manufacturing)	or systems that can be used for simulation,	or process that helps engineers
	monitoring, and optimization.	test and improve things without
		touching the real one.
Context Caching (AI)	A technique used in large language models to	An Al trick to remember parts of a
	store and reuse parts of the input context,	long conversation, making it faster
	improving efficiency for long conversations.	and better at understanding what's
		being discussed.
Mixture-of-Experts	A neural network design where different	An Al design where different parts
(MoE) architecture (AI)	"expert" sub-networks specialize in different	of the AI are specialists, and
	types of data, with a "gate" network	another part decides which
	determining which expert to use.	specialist should handle specific
		information.
Sarcopenia	Age-related loss of muscle mass, strength,	The natural weakening and
	and function.	shrinking of muscles as people get
		older.
Quantum Key	A secure communication method that uses	A super-secure way to share
Distribution (QKD)	principles of quantum mechanics to establish	secret codes using quantum
	a cryptographic key.	physics, making them unhackable.
	, p	First Street and Contact and C









STRs (short tandem ropeats - DNA in a tandem fashion, widely used in forensic fingerprinting) MARG platform (PMGSY) An online platform for electronic monitoring and management of rural roads constructed under the Pradham Mantri Gram Sadak Yojana (PMGSY) GLP-1 drugs GLP-1 drugs GLP-1 drugs GLP-1 drugs GLP-1 drugs GLP-2 diabetes and obesity. Ploidy Plasticity (fungal) (fungal) The ability of fungi to change their ploidy (fungal) (fungal) A type of immunotherapy that uses a patient's mounted cancer cells. CAR T-cell Therapy A type of immunotherapy that uses a patient's own genetically modified T cells to find and kill cancer cells. CILIPID Nanoparticles (LNPs) Lipid Nanoparticles Lipid Nanoparticles (LNPs) A reversible molecular change that turns genes on or off without altering the underlying DNA sequence. A reversible molecular change that turns genes on or off without altering the underlying DNA sequence. A reversible molecular change that turns genes on or off without altering the underlying autonomously detecting, identifying, and neutralizing threats. Critical Minerals / Rare Earth Elements (REEs) Oleo-gum resin (asafoetida) Thirstwave STR, febric and manage the building a under to track and manage the building of rural roads under a government scheme. Vojana (PMGSY) An online system to track and manage the building of rural roads under a government scheme. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly			
EMARG platform (PMGSY)	STRs (short tandem	Short nucleotide sequences that are repeated	Tiny, repeated sections of DNA
An online platform (PMGSY)	repeats - DNA	in a tandem fashion, widely used in forensic	used like a unique barcode to
Carried Therapy A type of immunotherapy that uses a patient's own genetically modified T cells to find and kill cancer cells. Tiny fat-based particles used as delivery wehicles for nucleic acids (like mRNA) in vaccines and therapies. A reversible molecular change and or fillingial (defence grid) A reversible molecular change that turns genes on or off without altering the autonomously detecting, identifying, and neutralizing threats. A gum resin obtained from the surface (Evaporative Demand / Thirstwave Tins takes to dry and hot it is. A gum resin obtained from the surface (Evaporative Demand / Thirstwave Tins takes (Evaporative Demand / Tinstwave Tins takes (Evaporative Demand / Tinstwave Tinst paths based particles control of treat of treat treatment scheme. A type of medicine mainly under a government scheme. A type of medicine mainly under a government scheme. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. Fung's ability to change their number of chromosome sets, which can depend their number of chromosome sets, which can help them surface (Evaporative Demand); often read their paths there a patin that helps control blood sugar and appetite. Fung's ability to	fingerprinting)	DNA profiling.	identify people.
under the Pradhan Mantri Gram Sadak Yojana (PMGSY). GLP-1 drugs Glucagon-like peptide-1 receptor agonists, a class of medications primarily used to treat type 2 diabetes and obesity. Ploidy Plasticity (fungal) The ability of fungi to change their ploidy (number of sets of chromosomes), often in response to stress, affecting their traits like virulence. A type of immunotherapy that uses a patient's own genetically modified T cells to find and kill patient's immune cells are engineered to fight their own cancer. Lipid Nanoparticles (LNPs) Tiny fat-based particles used as delivery vehicles for nucleic acids (like mRNA) in vaccines and therapies. Epigenetic Switch A reversible molecular change that turns genes on or off without altering the underlying DNA sequence. An indigenous wide-area counter-drone system developed by India, capable of autonomously detecting, identifying, and neutralizing threats. Critical Minerals / Rare Earth Elements (REEs) Supply disruption due to geopolitical or geological factors. Diecagum resin (asafoetida) The stmospheric demand for water vapor from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified terms hetps control blood sugar and appetite. A type of medicine mainly for diabetes and veryed fredebets and weight loss that helps control blood sugar and appetite. A type of medicine mainly for diabetes and weight loss that helps control blood sugar and appetite. Fungi's ability to change their number of chromosomes ests, which can help their number of chromosomes petulies. Fungi's ability to change their number of chromosomes petulies. Fungi's ability to chang	eMARG platform	An online platform for electronic monitoring	An online system to track and
Yojana (PMGSY). Glucagon-like peptide-1 receptor agonists, a class of medications primarily used to treat type 2 diabetes and obesity. Helps control blood sugar and appetite.	(PMGSY)	and management of rural roads constructed	manage the building of rural roads
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Critical Minerals / Rare Earth Elements (REEs) Minerals and elements that are essential for modern technologies and have a high risk of supply disruption due to geopolitical or geological factors. Oleo-gum resin (asafoetida) A gum resin obtained from the roots of plants of the Ferula genus, used as a spice and in traditional medicine. Evaporative Demand / Thirstwave Thirstwave Minerals and elements Rey minerals and elements needed for high-tech gadgets and green energy, often hard to get reliably. A sticky, strong-smelling sap from a plant root, used as a spice (like asafoetida/hing). How much the air "wants" to dry out the land or plants, indicating how dry and hot it is.		autonomously detecting, identifying, and	stop enemy drones over a large
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supply disruption due to geopolitical or geological factors. Oleo-gum resin (asafoetida) Of the Ferula genus, used as a spice and in traditional medicine. Evaporative Demand / Thirstwave Thirstwave Supply disruption due to geopolitical or geen energy, often hard to get reliably. A sticky, strong-smelling sap from a plant root, used as a spice (like asafoetida/hing). How much the air "wants" to dry out the land or plants, indicating how dry and hot it is.	Critical Minerals / Rare	Minerals and elements that are essential for	Key minerals and elements
geological factors. A gum resin obtained from the roots of plants of the Ferula genus, used as a spice and in traditional medicine. Evaporative Demand / Thirstwave from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified terms reliably. A sticky, strong-smelling sap from a plant root, used as a spice (like asafoetida/hing). How much the air "wants" to dry out the land or plants, indicating how dry and hot it is.	Earth Elements	modern technologies and have a high risk of	needed for high-tech gadgets and
Oleo-gum resin (asafoetida) A gum resin obtained from the roots of plants of the Ferula genus, used as a spice and in traditional medicine. Evaporative Demand / Thirstwave from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified terms A sticky, strong-smelling sap from a plant root, used as a spice (like asafoetida/hing). How much the air "wants" to dry out the land or plants, indicating how dry and hot it is.	(REEs)	supply disruption due to geopolitical or	green energy, often hard to get
(asafoetida)of the Ferula genus, used as a spice and in traditional medicine.a plant root, used as a spice (like asafoetida/hing).Evaporative Demand / ThirstwaveThe atmospheric demand for water vapor from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified termsHow much the air "wants" to dry out the land or plants, indicating how dry and hot it is.		geological factors.	reliably.
traditional medicine. asafoetida/hing). Evaporative Demand / Thirstwave from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified terms asafoetida/hing). How much the air "wants" to dry out the land or plants, indicating how dry and hot it is.	Oleo-gum resin	A gum resin obtained from the roots of plants	A sticky, strong-smelling sap from
Evaporative Demand / The atmospheric demand for water vapor from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified terms how dry and hot it is.	(asafoetida)	of the Ferula genus, used as a spice and in	a plant root, used as a spice (like
Thirstwave from the surface (Evaporative Demand); often referred to as 'thirstwave' in simplified terms out the land or plants, indicating how dry and hot it is.		traditional medicine.	asafoetida/hing).
referred to as 'thirstwave' in simplified terms how dry and hot it is.	Evaporative Demand /	The atmospheric demand for water vapor	How much the air "wants" to dry
	Thirstwave	from the surface (Evaporative Demand); often	out the land or plants, indicating
during heatwaves.		referred to as 'thirstwave' in simplified terms	how dry and hot it is.
		during heatwaves.	









Pressurised Heavy	A type of nuclear power reactor that uses	A specific type of nuclear power
Water Reactors	heavy water (deuterium oxide) as its coolant	plant that uses heavy water to
(PHWRs)	and neutron moderator.	produce electricity.
Small Modular	Advanced nuclear reactors that are smaller	Smaller, factory-built nuclear
Reactors (SMRs)	than conventional reactors, can be built in	reactors that are easier to set up
	factories, and have passive safety features.	and safer.



Economy

Keyword	Official Definition	Easy Explanation
Capital Controls	Government restrictions on the flow of	Rules a government sets on how
	capital (money) into and out of a country.	much money can enter or leave
		the country.
Financial Intelligence Unit	A national agency responsible for receiving,	A government agency that
(FIU)	analyzing, and disseminating financial	checks for suspicious money
	information concerning suspicious financial	activities like money laundering.
	transactions.	
Gross NPAs (Non-	The total value of loans that are in default or	The total amount of bad loans
Performing Assets)	overdue, where the borrower has failed to	where banks aren't getting their
	make principal or interest payments for a	money back.
	specified period.	
Private Final	The portion of national income spent by	How much money ordinary
Consumption	households on final consumer goods and	people spend on everyday
Expenditure (PFCE)	services.	goods and services.
Viksit Bharat	A vision or goal for India to become a	The government's plan for India
	developed nation by 2047, often involving	to become a fully developed
	specific economic and social targets.	country by 2047.
Purchasing Power Parity	A theory that states that exchange rates	How much you can buy in one
(PPP)	between currencies are in equilibrium when	country for the same amount of
	their purchasing power is the same in each	money you would spend in
	of the two countries.	another.









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Gini and Theil Index	Statistical measures used to assess income	Ways to measure how unevenly
	or wealth inequality within a population.	wealth or income is spread
		among people in a country.
Monetary Policy	The process through which changes in the	How changes in the central
Transmission	central bank's policy interest rate are	bank's interest rates affect the
	passed on to market interest rates and	economy, like loan rates and
	ultimately to economic activity.	spending.
Insolvency and	A law in India that provides a framework for	A law in India that helps
Bankruptcy Code (IBC)	resolving insolvency and bankruptcy issues	companies or individuals sort out
	for companies and individuals in a time-	their debts and financial collapse
	bound manner.	quickly.
Pre-pack Schemes (IBC)	A pre-negotiated insolvency resolution plan	A faster way to solve a
. ,	agreed upon by creditors and the company,	company's debt problems,
	which is then formally approved by the	where creditors and the
	NCLT.	company agree on a plan before
		going to court.
Legal Safe Harbours	Provisions within the IBC that protect certain	Legal protections within
(IBC)	actions or transactions from being	bankruptcy law that shield
(IBO)	challenged or deemed invalid, promoting	certain agreements from being
	smoother resolution.	overturned later.
Compositional Imments		
Concessional Imports	Imports of goods or raw materials that are	Bringing goods into the country
	allowed into a country at reduced or zero	with lower or no import taxes.
	customs duties.	
Domestic Value Addition	The increase in the value of a product or	How much of a product's final
(DVA)	service attributable to domestic production	value is added by making it
	processes, materials, and labor.	inside the country.
Production-Linked	Government schemes that provide financial	Government payments to
Incentive (PLI) schemes	incentives to manufacturers for increasing	companies for making more
	production in specific sectors, promoting	things in India.
	local manufacturing.	
Dedicated Freight	Special railway lines designed exclusively	Special, faster train tracks just
Corridors (DFCs)	for the faster movement of freight trains	for moving goods across India.
	across long distances in India.	
Logistics Performance	An interactive benchmarking tool created by	A World Bank scorecard
Index	the World Bank to help countries identify the	showing how good a country is
	challenges and opportunities in their	at moving goods around.
	logistics performance.	
Basis Points (bps)	A common unit of measure for interest rates	A tiny unit for measuring
	and other percentages in finance, equal to	changes in interest rates or
	one-hundredth of a percentage point	percentages, where 100 bps is
	(0.01%).	1%.
	(0.0170).	170.









Global Value Chains	The full range of activities that firms and	The whole process of making a
(GVCs)	workers perform to bring a product from its	product, with different steps
	conception to its end use and beyond,	done in different countries.
	across different countries.	
Fiscal Discipline / Fiscal	Policies aimed at achieving a sustainable	Being responsible with
Populism	budget deficit and debt levels (Fiscal	government spending
	Discipline) versus policies that prioritize	(Discipline) versus spending a
	popular spending over long-term fiscal	lot to be popular, even if it harms
	health (Fiscal Populism).	the budget (Populism).
Concessional	Loans or financial assistance provided on	Giving loans with easier terms,
Financing/Lending	more favorable terms (e.g., lower interest	like lower interest or more time
	rates, longer repayment periods) than	to pay back.
	market rates.	
Financial Stability Board	An international body that monitors and	An international group that
(FSB)	makes recommendations about the global	watches the world's money
	financial system.	system and suggests ways to
		keep it stable.
FATF (Financial Action	An intergovernmental organization	An international group that fights
Task Force)	established to combat money laundering	against money laundering and
	and terrorist financing.	funding for terrorism.
RoDTEP (Remission of	A scheme in India that refunds embedded	A government scheme that gives
Duties and Taxes on	taxes and duties to exporters, making Indian	back certain taxes to companies
Exported Products)	exports more competitive.	when they export goods.
Supply-Chain	The breaking up of global supply chains into	When the global network that
Fragmentation	smaller, more localized segments, often due	makes and moves goods breaks
	to geopolitical or economic shifts.	into smaller, separate parts.
Regenerative Farming	Agricultural practices that focus on soil	Farming methods that improve
	health, biodiversity, and ecosystem	soil, boost nature, and help trap
	services, aiming to reverse climate change	carbon in the ground.
	through carbon sequestration.	
Product Circularity /	A model of production and consumption that	A system where we try to use
Circular Economy	involves sharing, leasing, reusing, repairing,	products and materials for as
	refurbishing, and recycling existing materials	long as possible, reducing
	and products for as long as possible.	waste.
Power Purchase	Long-term contracts between electricity	Long-term deals where
Agreements (PPAs)	generators and buyers (utilities or large	electricity companies agree to
	consumers) for the sale and purchase of	sell power to a buyer at a set
	electricity.	price.
Fiscal Impulse Reversal	A situation where the government's fiscal	When the government changes
	policy shifts from stimulating the economy	from boosting the economy with
	(through spending/tax cuts) to tightening it	spending to tightening its
	(through spending cuts/tax increases).	budget.
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Gross Fixed Capital	A macroeconomic indicator that measures	The total amount of money a
Formation (GFCF)	the total value of a country's net additions to	country spends on adding new
	fixed assets (e.g., buildings, machinery).	buildings, machines, and
		infrastructure.
Digital Public	Open-source, interoperable digital systems	Digital systems built by the
Infrastructure (DPI)	and platforms, often government-backed,	government (like UPI or
	designed to provide essential public	Aadhaar) that are open for
	services and foster innovation.	everyone to use and innovate
		on.
Cesses and Surcharges	Additional levies on taxes collected by the	Extra taxes the government
(Finance Commission)	central government for specific purposes,	collects for special reasons,
	which are generally not shared with states	which states don't automatically
	as part of the divisible pool.	get a share of.
Divisible Pool (taxes)	The total collection of taxes that are subject	The big pot of taxes that the
	to sharing between the central government	central government shares with
	and state governments as recommended by	the states.
	the Finance Commission.	
Multidimensional Poverty	A measure of poverty that considers various	A way to measure poverty that
Index (MPI)	deprivations faced by individuals in health,	looks at more than just income,
	education, and living standards.	like health, education, and living
		conditions.
Debt Relief Mechanisms /	Processes or agreements to reduce or	Ways to lighten a country's loan
Debt Swaps	restructure a country's debt burden (Debt	burden, sometimes by trading
	Relief), sometimes by exchanging debt for	debt for investments in green
	investment in projects (Debt Swaps).	projects.
Trade-to-GDP Ratio	The sum of exports and imports divided by a	How much a country trades
	country's Gross Domestic Product,	internationally compared to the
	indicating the openness of an economy to	size of its economy.
	international trade.	
Regional Value Chains	Supply chains where the production stages	Supply chains where different
	of a good or service are concentrated within	parts of making a product are all
	a specific geographical region, fostering	done within the same region or
	regional economic integration.	group of countries.
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International Relations

Keyword	Official Definition	Easy Explanation
Capital Controls (IR	Government restrictions on the flow of capital	Rules a government sets on
context)	(money) into and out of a country, used to	how much money can enter or
	manage balance of payments, exchange	leave the country, affecting
	rates, or financial stability.	international trade and
		investment.
FATF (Financial Action	An intergovernmental organization	An international group that sets
Task Force)	established to combat money laundering and	rules and checks if countries are
	terrorist financing, issuing recommendations	fighting money laundering and
	and monitoring compliance.	funding for terrorism.
Financial Stability Board	An international body that monitors and	An international group that
(FSB)	makes recommendations about the global	watches the world's money
	financial system, aiming to promote financial	system and suggests ways to
	stability.	keep it stable.
Shangri-La Dialogue	An annual inter-governmental security forum	An important yearly meeting in
	held in Singapore, attended by defense	Singapore where top defense
	ministers, military chiefs, and security experts	officials from Asian countries
	from the Asia-Pacific.	discuss security issues.
Strategic Autonomy	The capacity of a state or bloc to act	A country's or group of
(Europe/India)	independently in matters of foreign policy and	countries' ability to make its own
	defense, without being overly dependent on	decisions in foreign policy and
	other major powers.	defense without relying too
		much on others.
Humanitarian Principles	Fundamental guidelines governing	Basic rules for helping people in
(Gaza context)	humanitarian action: humanity, neutrality,	crises (like in Gaza): being kind,
	impartiality, and independence, applied in	not taking sides, helping
	conflict zones like Gaza.	everyone equally, and acting
		independently.
Geneva Convention	A set of international treaties concerning the	International rules for warfare;
(Article 54)	treatment of prisoners of war and civilians	Article 54 specifically bans
	during wartime; Article 54 specifically	attacking things people need to
	prohibits attacking objects indispensable to	survive, like food or water.
	the survival of the civilian population.	
UNRWA (UN Relief and	A United Nations agency that provides	A UN agency that helps
Works Agency for	assistance and protection to Palestine	Palestinian refugees in the
	refugees in the Near East.	









Palestine Refugees in		Middle East with aid and
the Near East)		support.
International Court of	The principal judicial organ of the United	The main UN court that resolves
Justice (ICJ) - specific	Nations, which settles legal disputes between	disputes between countries and
rulings	states and gives advisory opinions.	gives legal advice.
Nuclear Umbrella	A guarantee by a nuclear-armed state to	A promise by a nuclear power to
	defend a non-nuclear-armed ally, implicitly or	protect a non-nuclear ally using
	explicitly, with nuclear weapons.	its nuclear weapons if needed.
Extended Deterrence	The commitment by a nuclear-armed state to	A nuclear power's promise to
(Nuclear)	deter an attack on its allies by threatening	use its nuclear weapons to stop
	nuclear retaliation against the aggressor.	an attack on its allies.
Rome Statute	The treaty that established the International	The international treaty that
	Criminal Court (ICC), outlining its jurisdiction,	created the International
	crimes, and procedures.	Criminal Court.
Trials in Absentia	Legal proceedings conducted in the absence	Court trials held even when the
(Bangladesh ICT)	of the accused, often if the accused has fled	accused person is not present,
	or is not amenable to legal process, as seen	often because they have run
	in Bangladesh's International Crimes	away.
	Tribunal.	
Caretaker Government	A temporary government formed in	A temporary government in
(Bangladesh)	Bangladesh (historically) to oversee	Bangladesh (used in the past)
	parliamentary elections, intended to ensure	set up just to hold fair elections.
	fairness and neutrality.	
Comprehensive	A high level of bilateral relationship between	A very close and wide-ranging
Strategic Partnership	countries, implying deep cooperation across	relationship between two
	political, economic, security, and cultural	countries, involving strong
	spheres.	cooperation in many areas.
2+2 Ministerial Dialogue	A format of diplomatic meeting where the	A meeting where the foreign
	foreign and defense ministers of two	ministers and defense ministers
	countries meet to discuss strategic and	from two countries talk about
	security issues.	important strategic issues.
Mutual Logistics	A defense pact that allows allied militaries to	A military agreement allowing
Support Agreement	use each other's bases for logistics support,	countries to use each other's
(MLSA)	such as refueling and repairs.	bases for supplies, fuel, and
		repairs.
IMEEC (India-Middle	A proposed multi-modal economic corridor	A planned trade route
East-Europe Economic	connecting India, the Middle East, and	connecting India to Europe via
Corridor)	Europe through sea and rail networks.	the Middle East, using ships and
		trains.
Concessional Financing	Loans or financial assistance provided by	Giving loans or aid to developing
(International Aid)	international organizations or governments	countries with easier terms, like
	on more favorable terms (e.g., lower interest	
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	rates, longer repayment periods) to	lower interest rates or more time
	developing countries.	to pay.
Digital Silk Road	China's initiative to build digital infrastructure	China's plan to spread its digital
	(e.g., fiber optic cables, 5G networks) and	technology and infrastructure,
	expand its digital influence globally, often	like internet cables and 5G,
	linked to the Belt and Road Initiative.	globally.
Trans-Himalayan Artery	A proposed or existing transportation and	A planned or existing route for
	communication network (roads, railways)	transport and communication
	connecting regions across the Himalayas,	that crosses the Himalayan
	often referring to connectivity between China	mountains.
	and Nepal/South Asia.	
Soft-Power Corridor	A concept describing a geographical region	A region or project where a
	or initiative through which a country exerts	country uses its culture, values,
	influence through cultural appeal, values, and	and ideas to gain influence, not
	institutions, rather than coercion.	force.
Uranium Enrichment	The process of increasing the concentration	Increasing the amount of a
(Iran Nuclear)	of uranium-235, the fissile isotope, used for	special type of uranium (U-235)
(Ifali Nuclear)	·	
	nuclear power and, at higher levels, for	needed for nuclear power or
	nuclear weapons.	bombs.
International Atomic	An international organization that seeks to	The global agency that
Energy Agency (IAEA)	promote the peaceful use of nuclear energy	promotes safe nuclear energy
	and to inhibit its use for any military purpose,	and tries to stop its use for
	including nuclear weapons.	weapons.
Joint Comprehensive	An international agreement on the Iranian	The 2015 international
Plan of Action (JCPOA)	nuclear program, reached in 2015 between	agreement about Iran's nuclear
	Iran and the P5+1 countries.	program.
Strait of Hormuz	A narrow, strategically important strait	A very narrow and important sea
	connecting the Persian Gulf to the Arabian	passage where much of the
	Sea, through which a significant portion of the	world's oil is shipped.
	world's oil supply passes.	
Operation Sindhu	A hypothetical or past military operation for	A special military operation,
(Evacuation)	evacuation, likely referring to a complex	often to rescue people from a
	overseas rescue mission.	dangerous situation abroad.
Shanghai Cooperation	A Eurasian political, economic, and security	A group of countries from Asia
Organisation (SCO)	organization comprising several Central	and Europe focused on political,
,	Asian countries, China, India, Pakistan, and	economic, and security
	Russia.	cooperation.
Global South	A term for developing nations of Africa, Latin	Poorer, developing countries,
	America, and Asia, often characterized by	mostly in the southern
	•	
	shared experiences of colonialism and	hemisphere, often with shared
	economic challenges.	historical challenges.









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BRICS Summit	An annual meeting of the heads of state or	The yearly meeting of leaders
	government of the BRICS member countries:	from Brazil, Russia, India,
	Brazil, Russia, India, China, and South Africa.	China, and South Africa.
Proxy Groups	Non-state armed groups that are supported	Armed groups that fight on
(Hezbollah, Houthis)	and used by a state to advance its interests	behalf of a country, even if
	indirectly in a conflict.	they're not officially part of its
		army.
GBU-57 Massive	A very large, precision-guided, air-delivered	A huge, super-accurate bomb
Ordnance Penetrator	munition designed to destroy hardened and	dropped from a plane, designed
(MOP)	deeply buried targets, often called a "bunker	to destroy deeply buried,
	buster."	reinforced targets.
Trans-shipment	The right to move goods from one ship or	The right to transfer goods from
Privilege	vehicle to another, typically for onward	one ship or transport to another
	journey, without being subject to customs	without paying full import taxes
	duties or full import procedures.	immediately.
BIMSTEC Maritime	An agreement among BIMSTEC (Bay of	A deal between countries
Transport Cooperation	Bengal Initiative for Multi-Sectoral Technical	around the Bay of Bengal to
Agreement	and Economic Cooperation) countries to	work together on shipping and
	enhance cooperation in maritime transport.	sea transport.
Geopolitical Signalling	Actions or statements by a state intended to	When a country does or says
	convey intentions, capabilities, or warnings to	something to send a message or
	other states in the international arena.	warning to other countries.
Trump Card (US visa)	A colloquial term referring to the perceived	A casual term for having a
	exceptional value or unique advantage	special, powerful advantage,
	associated with obtaining a particular US visa	often referring to a coveted US
	or immigration status.	visa.
Golden-Visa / EB-5	Immigration programs that grant residency or	A program where rich foreigners
Investor Visa	citizenship to wealthy foreign investors in	can get residency or citizenship
	exchange for significant investment in the	by investing a lot of money in a
	host country's economy.	country.
Transatlantic Relations	The political, economic, and cultural	The relationships between the
	relationships between North America	United States (and Canada) and
	(especially the US and Canada) and Europe.	European countries.
Eurasian Geopolitics	The study of the strategic importance of the	The study of power struggles
	Eurasian landmass, involving power	and relationships between
	dynamics, rivalries, and cooperation between	countries in the vast region of
	countries in Europe and Asia.	Europe and Asia.
Cyrus Accords	A proposed or hypothetical framework for	A potential peace or cooperation
	regional cooperation or peace in the Middle	deal for the Middle East,
	East, potentially involving Israel and Arab	possibly involving Israel and
	states.	Arab nations.
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Neo-Ottomanism	A political ideology in Turkey under President	A political idea in Turkey under
(Erdogan)	Erdogan that promotes greater Turkish	Erdogan to expand its influence
	influence in former Ottoman territories and a	in areas that were once part of
	more assertive foreign policy.	the Ottoman Empire.
Nuclearization Dilemma	The strategic challenge faced by a country	The difficult choice a country
	when deciding whether to develop nuclear	faces about whether to build
	weapons, weighing security benefits against	nuclear weapons, balancing
	risks of proliferation and retaliation.	safety against new dangers.
Al Diffusion Framework	A policy framework being developed by the	A US plan to control how
(US Policy)	US to manage the global spread of advanced	advanced AI technology spreads
	Al models and technologies, especially those	globally, especially if it could
	with national security implications.	affect national security.
Compute-based	Policy measures that aim to control the	Rules that try to limit powerful Al
Restrictions (AI)	development and deployment of powerful AI	by controlling who can access
	models by regulating access to the massive	the huge amount of computer
	computational resources (compute) required.	power needed to build it.
"China Plus One"	A business strategy where companies	Companies moving some of
strategy	diversify their supply chains by moving some	their manufacturing out of China
	production out of China to other countries.	to other countries to reduce risk.



Polity

Keyword	Official Definition	Easy Explanation
Academic Autonomy	The freedom of universities and	The right of colleges and
(Universities)	academics to make decisions regarding	professors to decide what they
	curriculum, research, and admissions	teach, research, and how they
	without undue external interference.	operate, without outside control.
Virtual Asset Service	Entities that conduct certain activities for	Companies that handle digital
Providers (VASPs)	or on behalf of customers, such as	currencies for customers, like
	exchange, transfer, or safekeeping of	exchanges or crypto wallets.
	virtual assets.	
Vigilantism	The act of enforcing laws and punishing	When ordinary citizens take the
	criminals without legal authority.	law into their own hands and
		punish people they think are
		criminals.
S. R. Bommai Ruling (1994	A landmark Supreme Court judgment that	A Supreme Court decision that
	significantly curtailed the arbitrary use of	made it much harder for the









	Article 356 (President's Rule) by	government to impose
	establishing judicial review over its	President's Rule unfairly.
	imposition.	
Consensus-driven	A regulatory approach for Al that	A way to make rules for AI where
Governance (Al regulation)	emphasizes broad agreement among	everyone involved (government,
	stakeholders (governments, industry, civil	companies, public) largely
	society) rather than top-down mandates.	agrees on them.
Analytical Essays (CSE)	Essays in the Civil Services Examination	Long essays in the UPSC exam
	that require in-depth analysis, critical	that need deep thought and a
	thinking, and a nuanced understanding of	balanced view on complex
	socio-economic and political issues.	topics.
Competency Categories	The specific attributes or skills (e.g.,	The specific qualities or skills
(UPSC Interview)	leadership, integrity, communication) that	that UPSC interviewers look for
	interview panels assess in candidates for	in candidates, like leadership or
	civil services.	honesty.
Domicile Status (Ladakh)	The legal status determining a person's	The official proof that someone
	permanent home or residence in Ladakh,	permanently lives in Ladakh,
	often crucial for local employment and	important for local jobs and
	benefits.	benefits.
Ladakh Autonomous Hill	Autonomous administrative bodies in	Local self-governing bodies in
Development Councils	Ladakh established to ensure local self-	Ladakh created to manage
(LAHDC)	governance and development,	development and local issues,
	particularly for tribal populations.	especially for tribal communities.
Civil Liability for Nuclear	An Indian law that establishes the liability	An Indian law that holds nuclear
Damages Act (CLNDA) 2010	of nuclear power plant operators for	plant operators responsible for
	nuclear damage and provides for a right	any damage and allows them to
	to recourse from suppliers.	seek money from equipment
		suppliers.
Strict-and-No-Fault Liability	A legal principle where liability is imposed	A legal rule saying that even if
(Nuclear)	regardless of fault, meaning the nuclear	you're very careful, you're still
	operator is held responsible even if they	fully responsible for harm caused
	took all precautions.	by dangerous activities like
		nuclear operations.
Justiciable (Free Speech	Capable of being decided by a court of	Something that can be argued or
context)	law; referring to rights or issues that can	decided in a court of law; a right
	be enforced or challenged in the judiciary.	that you can fight for legally.
Doctrine of Proportionality	A legal principle used by courts to assess	A legal test used by courts to
(Free Speech)	whether a restriction on fundamental	check if restrictions on rights, like
	rights (like free speech) is legitimate and	free speech, are fair and not too
	not excessive.	harsh.
Anuradha Bhasin v. U.O.I.	A Supreme Court judgment that declared	A Supreme Court case that ruled
(2020)	indefinite internet shutdowns	indefinite internet bans are illegal
<u> </u>	<u>·</u>	i.









	unconstitutional and affirmed that	and that internet freedom is a
	freedom of speech and trade over the	basic right.
	internet are constitutionally protected.	
Private Universities as	A legal concept where a private entity,	When a private university acts so
State Actors	typically a university, can be considered	much like the government that it
	as acting on behalf of the state, making it	also has to follow the rules
	subject to fundamental rights obligations.	protecting basic rights.
Dissent vs. Activism (Legal	The legal distinction between expressing	The legal difference between just
context)	disagreement (dissent) and engaging in	disagreeing with something and
	organized efforts to bring about political	actively working to change it,
	or social change (activism), which may	which can have different legal
	have different legal implications.	consequences.
Judicial Accountability /	The balance between ensuring judges	How judges can be held
Independence (specific	are answerable for their conduct	responsible for their actions while
context beyond general	(Accountability) while protecting them	still being free from political
meaning)	from undue influence (Independence).	pressure.
Veeraswami judgment	A Supreme Court judgment that held that	A Supreme Court ruling that
(1991)	a High Court or Supreme Court judge	states a judge cannot be
	cannot have an FIR registered against	investigated by police without the
	them without the consent of the Chief	Chief Justice's permission.
	Justice of India.	
Bharatiya Nyaya Sanhita	The proposed new criminal code in India,	India's new proposed law for
(2023)	intended to replace the Indian Penal	criminal offenses, replacing the
	Code (IPC).	old one.
Delimitation (Elections)	The process of redrawing boundaries of	The process of redrawing
	electoral constituencies to ensure that	election district maps so each
	each constituency has roughly the same	district has about the same
	population.	number of voters.
Special Intensive Revision	population. A specific and focused exercise	number of voters. A special effort by the Election
Special Intensive Revision (SIR - Electoral Rolls)		
•	A specific and focused exercise	A special effort by the Election
•	A specific and focused exercise undertaken by the Election Commission	A special effort by the Election Commission to update voter lists
•	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often	A special effort by the Election Commission to update voter lists by checking names house-to-
(SIR - Electoral Rolls)	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification.	A special effort by the Election Commission to update voter lists by checking names house-to- house.
(SIR - Electoral Rolls)	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to
(SIR - Electoral Rolls) Disenfranchise	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote.	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote.
(SIR - Electoral Rolls) Disenfranchise	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote. Pradhan Mantri Janjati Adivasi Nyaya	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote. A big government scheme for the
(SIR - Electoral Rolls) Disenfranchise	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote. Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan, a scheme aimed at the	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote. A big government scheme for the overall improvement of the most
(SIR - Electoral Rolls) Disenfranchise	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote. Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan, a scheme aimed at the holistic development of Particularly	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote. A big government scheme for the overall improvement of the most
(SIR - Electoral Rolls) Disenfranchise PM-JANMAN (PVTGs)	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote. Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan, a scheme aimed at the holistic development of Particularly Vulnerable Tribal Groups.	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote. A big government scheme for the overall improvement of the most vulnerable tribal groups.
(SIR - Electoral Rolls) Disenfranchise PM-JANMAN (PVTGs) PVTGs (Particularly	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote. Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan, a scheme aimed at the holistic development of Particularly Vulnerable Tribal Groups. Sub-categories within Scheduled Tribes	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote. A big government scheme for the overall improvement of the most vulnerable tribal groups. The most vulnerable and
(SIR - Electoral Rolls) Disenfranchise PM-JANMAN (PVTGs) PVTGs (Particularly	A specific and focused exercise undertaken by the Election Commission to update and revise electoral rolls, often involving door-to-door verification. To deprive a person or group of the right to vote. Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan, a scheme aimed at the holistic development of Particularly Vulnerable Tribal Groups. Sub-categories within Scheduled Tribes that are identified by the government as	A special effort by the Election Commission to update voter lists by checking names house-to- house. To take away someone's right to vote. A big government scheme for the overall improvement of the most vulnerable tribal groups. The most vulnerable and backward tribal groups in India,









Forest Rights Act (FRA)	Legal titles granted to forest-dwelling	Official documents giving forest-
titles	Scheduled Tribes and other traditional	dwelling tribes and others legal
	forest dwellers over forest land,	rights to live on and use forest
	recognizing their customary rights.	land.
MISA (Maintenance of	A controversial preventive detention law	A strict law used during the
Internal Security Act -	enacted in 1971, widely used during the	Emergency to arrest people
Emergency)	1975 Emergency to detain political	without trial, especially political
	opponents without trial.	opponents.
COFEPOSA (Conservation	A preventive detention law specifically	A law used to detain people to
of Foreign Exchange and	aimed at preventing smuggling and	prevent smuggling and illegal
Prevention of Smuggling	foreign exchange violations, also used	foreign money deals, also used
Activities Act - Emergency)	during the Emergency.	during the Emergency.
Pre-censorship	The practice of reviewing and approving	When the government checks
(Emergency)	or rejecting content (e.g., news, books)	and approves all news or
	by government authorities before its	publications before they can be
	publication or broadcast.	released.
42nd Amendment (1976)	A comprehensive amendment to the	A major change to the
	Indian Constitution, enacted during the	Constitution during the
	Emergency, that introduced many	Emergency, which added words
	changes, including the words "socialist,"	like "socialist" and "secular" to
	"secular," and "integrity" in the Preamble.	the Preamble.
Shah Commission (1977-78)	A commission of inquiry appointed by the	A government committee set up
	Janata Party government to investigate	to investigate the abuses and
	the excesses committed during the 1975-	wrongdoings that happened
	77 Emergency.	during the 1975 Emergency.
Armed Rebellion	An internal armed uprising against the	A violent uprising against the
(Emergency cause)	government, which replaced "internal	government that became the
	disturbance" as a ground for declaring a	official reason for declaring a
	national emergency under Article 352.	national emergency.
UAPA (Unlawful Activities	An Indian law that gives the government	A strong Indian law that gives the
(Prevention) Act)	broad powers to deal with terrorist	government wide powers to
	activities and unlawful associations.	tackle terrorism and illegal
		groups.
Attorney-Client Privilege	A legal concept that protects confidential	A legal rule that keeps
	communications between a client and	conversations between a lawyer
	their attorney, preventing disclosure in	and their client secret and
	court.	private.
Bharatiya Sakshya	The proposed new law of evidence in	India's new proposed law that
Adhiniyam (BSA), 2023	India, intended to replace the Indian	will govern what counts as
	Evidence Act, 1872.	evidence in court.
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