14th Dec, 2024

1. Wounding the spirit of the Constitution of India GS 2 (Constitution)

• Why in News: Justice Shekhar Kumar Yadav, a sitting judge of the Allahabad High Court, made controversial remarks, which sparked public outrage. His speech has been widely condemned for promoting bigotry

and inciting violence, leading to calls for his impeachment. This incident has ignited a wider discussion about judicial accountability, constitutional values, and the role of the judiciary in upholding them.

Justice Yadav's Remarks and Their Impact

Speech of Incitement (Incendiary Remarks): Justice Yadav's speech was described as a direct violation of the constitutional spirit. His words were seen as a call for impunity towards violence, targeting minorities and potentially inciting mob action, exacerbating societal divisions.

constitutional court, the Allahabud High Court.

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- Challenge to the Constitution (Assault on Constitutional Values): The speech undermined the values of justice, equality, and fraternity enshrined in the Indian Constitution. It attacked the secular and democratic principles, threatening to harm the collective spirit of the nation and its citizens, irrespective of religion or ethnicity.
- Public Outcry and Legal Action (Opposition and Legal Response): The controversial remarks led to an impeachment motion in Parliament, a report being sought by the Supreme Court, and citizens writing to the Chief Justice of India.

The Need for Stronger Judicial Accountability

- Failure of the Allahabad High Court (Inaction by Judicial Authorities): The Allahabad High Court failed to take immediate action, offering no condemnation or censure of his remarks.
- The Bigger Issue (Judicial Conduct and Political Influence): This incident exposes the disturbing reality of the judiciary being influenced by political forces. Justice Yadav's speech blurred the line between judicial speech and political rhetoric, calling into question the independence and impartiality of the judiciary.

The Path Forward for Judicial and Constitutional Integrity

- Need for Public and Judicial Resistance (Rejecting Violent Rhetoric): A stronger public and judicial response is essential to reaffirm the constitutional commitment to a pluralistic, non-denominational India.
- o **Impeachment Alone is Insufficient (Symbolic Action):** While the impeachment motion against Justice Yadav may seem like a step towards justice, it is a symbolic gesture that is unlikely to succeed without a deeper examination of the political dynamics at play and the broader systemic issues in judicial conduct.
- Constitution as a Shared Heritage (Protecting Constitutional Values): The Constitution belongs to all citizens and cannot be treated as the property of a select few, including the judiciary. It is the collective responsibility of every Indian citizen, including judicial figures, to protect the core values of the Constitution and to resist any attempts to distort or undermine the.

2. <u>India's Neighbourhood Policy</u> GS 2 (International Relations)

Why in News: External Affairs Minister S. Jaishankar responded to criticism regarding India's neighborhood policy, defending the government's approach to relations with neighboring countries like the Maldives, Bangladesh, and Nepal. Jaishankar emphasized that India's foreign policy aims for maturity and development-focused ties, despite the political dynamics in these countries.

• What is India's Neighbourhood Policy?

- The country's Neighbourhood First Policy determines its engagement with neighbouring nations, including Afghanistan, Bangladesh, Bhutan, Maldives, Myanmar, Nepal, Pakistan and Sri Lanka.
- The policy prioritises improving physical, digital, and people-to-people connectivity within the region, while also boosting trade and commerce.
- Over time, the Neighbourhood First Policy has become a key institutional focus across various government departments responsible for managing relations and policies with our neighbours.
- India has historically shared deep cultural, economic and political ties with its neighbours. After independence, India aimed to establish itself as a regional leader. However, historical conflicts, differing political ideologies and border disputes often strained these relationships. It officially came to being in 2008.

Criticisms of India's Neighbourhood Policy

- Over-reliance on Specific Leaders and Parties: India's focus on individual leaders, like Sheikh Hasina in Bangladesh, limits flexibility and could cause instability if there are political shifts. Critics argue this reliance on specific leaders reduces India's ability to adapt to changing political dynamics in the region.
- Lack of "India First" Policy from Neighbours: India's neighbours, such as Nepal and Bhutan, often prioritize their own national interests or align with China, undermining India's influence. Critics point out the absence of a consistent "India First" policy among these countries.
- o **Growing Chinese Influence:** China's increasing economic and strategic influence in South Asia, particularly in Sri Lanka, Nepal, Bangladesh, and the Maldives, challenges India's position. Critics argue that India has not effectively countered China's growing presence in the region.
- Ineffective Security Responses: India's response to security threats, such as insurgent groups in Myanmar and cross-border terrorism, has been criticized as inconsistent. Critics argue that India's delicate approach in dealing with Myanmar has failed to address these ongoing security challenges.
- o **Economic Dependence without Strategic Returns:** India's economic agenda, he said assistance, such as credit lines and aid to neighbours, has not always translated into strategic benefits or political support, leading to concerns that these investments are not yielding long-term advantages for India's regional security.

Significance of India's Neighbourhood Policy

- Countering Chinese Influence: Close collaboration with neighboring countries enables India to counterbalance China's growing influence in the Indian Ocean region, strengthening its own position in the region.
- Support in Multilateral Forums enhance India's role as a leader for the Global South, enabling better representation of shared interests in international organizations.
- Ensuring Territorial Integrity: Cooperation with neighboring countries is vital for India to safeguard its borders and address separatist movements, ensuring national security.
- o **Increasing Maritime Security**, enabling India to address transnational security threats effectively, particularly in the Indian Ocean.

Projects, trade helped sustain ties with our neighbours: Jaishankar

Kallol Bhattacherjee

External Affairs Minister S. Jaishankar on Friday defended the neighbourhood policy of the Indian government and said it was necessary to avoid "punch scoring" in relations with neighbours.

Mr. Jaishankar said the government had promoted development projects and trade that have helped sustain ties with neighbours.

His remarks came in response to a question from the Congress's Chandigarh MP, Manish Tewari, who said the current status of India's relationship with the Maldives, Bangladesh, and Nepal presented a challenging scenario.

and Nepal presented a challenging scenario. "Our neighbours also have their politics. There are ups and downs in their countries, it will have implication for us. It is important that we are mature and we do not get into punch scoring," the Minister said.

Mr. Jaishankar said that as an MP, Mr. Tewari enjoyed privileges while arguing his point, but he would prefer a non-partisan approach towards foreign policy.

"Sir, I am very glad, that the honourable member referred to timing of visits (of leaders of the neighbouring countries). Before PM Narendra Modi went to Nepal, for 17 years there was no visits to Nepal. Does that mean nobody in India cared for Nepal... Visits are important, I accept it. Visits are also subject of timing, of convenience of agenda," he said.

- Collaboration with neighbors is crucial for ensuring energy security, especially concerning the importation of oil and gas through sea routes.
- Engaging aids in the development of India's northeastern states, thereby reducing regional development disparities.
- **Leveraging Soft Power Diplomacy**

Challenges of India's Neighbourhood Policy

- o Geopolitical Tensions: Border disputes and political disagreements often create complexities in relations with neighboring countries, affecting long-term cooperation.
- Implementation Issues: Logistical and bureaucratic challenges complicate the successful execution of cross-border projects, hindering collaboration.
- Economic Differences: The varying economic development levels of neighboring countries create disparities in cooperation, which may affect the effectiveness of joint initiatives.

Major initiatives

- SAARC (South Asian Association for Regional Cooperation): India has played a major role in SAARC, aimed at promoting regional cooperation. However, the effectiveness of SAARC has been limited due to political differences, particularly between India and Pakistan.
- BIMSTEC (Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation): BIMSTEC has gained prominence as an alternative to SAARC, focusing on economic cooperation, security, and cultural exchange among countries bordering the Bay of Bengal.

Infrastructure projects

- BBIN Initiative (Bangladesh, Bhutan, India, Nepal): Improving road and rail connectivity.
- Kaladan Multi-Modal Transit Transport Project: Connecting India with Myanmar and further with Southeast Asia.
- Chabahar Port: Developing a strategic port in Iran to improve connectivity with Afghanistan and Central

3. Switzerland Suspends MFN Treatment for India **GS 2 (International Relations)**

specific notification under the Income Tax Act.

Why in News: Switzerland has announced that it will suspend the most favoured nation (MFN) clause in its double taxation avoidance agreement (DTAA) with India, starting from **Swiss Shock: EFTA** January 1, 2025. This decision follows a ruling by the Indian Supreme Court, which declared that the MFN clause does not automatically trigger without a

What is the MFN clause?

- The MFN clause is a principle found in international treaties, including tax agreements that ensures equal treatment for all parties involved.
- If one country offers favourable tax rates or conditions to another, it must extend those same benefits to all other countries covered by the treaty.
- o In simple words, the MFN clause ensures equal treatment for all parties involved.
- This clause is designed to guarantee that no country is treated less favourably than any other in trade or taxation matters.
- Impact of the suspension of MFN
 - Higher tax liabilities for Indian companies: Indian companies receiving dividends from Switzerland will face an increased tax burden, as the withholding tax on those dividends will rise to 10 per cent from 5 per cent.
 - Effects on Swiss investments in India: Swiss companies that receive dividends from Indian subsidiaries will continue to

member lobs back **India's MFN tax volley**

From Jan. I, Indian entities in Switzerland face higher tax liability

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- face a 10 per cent withholding tax, as this tax rate has always applied under the **India-Switzerland DTAA.**
- EFTA investments unaffected: Switzerland's decision is also unlikely to impact investments into India from the European Free Trade Association (EFTA), as these investments are already subject to the 10 per cent withholding tax rate.
- No change for other DTAA benefits: Indian companies operating in Switzerland will still be able
 to avail themselves of the other benefits provided under the India-Switzerland DTAA, such as tax
 relief on royalties and fees for technical services.

4. One Nation One Election Proposal Is Not Representative, It Is Insincere GS 2 (Governance)

• Why in News:

On December 12, the Union Cabinet approved a proposal to implement simultaneous elections across

India, encompassing the Lok Sabha, State Legislative Assemblies, and local bodies.

This decision stems from the recommendations of a high-level committee chaired by former President Ram Nath Kovind, which submitted its report on the One Nation, One Election plan in September 2024.

 While the idea of simultaneous elections has been championed for its potential benefits, such as cost reduction and administrative efficiency, it has ignited significant debate over its feasibility and implications for India's democratic framework.

The Genesis and Scope of the Proposal

- Historical Context of Simultaneous Elections
 - The idea of simultaneous elections, often referred to as One Nation One Election, has been periodically debated in India's political discourse.
 - Its origins can be traced back to the early years of the Republic when elections to the Lok Sabha and State Legislative Assemblies were held simultaneously until 1967.
 - This practice was disrupted due to early dissolutions of certain assemblies and the Lok Sabha itself, resulting in a staggered election schedule that persists today.
 - The present proposal to revive simultaneous elections gained renewed momentum after Prime Minister Narendra Modi advocated for it in 2013, citing the high costs, administrative burden, and policy disruptions caused by frequent elections.

Mandate and Scope of the Kovind Committee

- The high-level committee chaired by former President Ram Nath Kovind was tasked with examining the feasibility of implementing this concept.
- Constituted on September 2, 2023, the committee dedicated 191 days to prepare a comprehensive 18,626-page report, which it submitted on March 14, 2024.
- Unlike previous committees, this one was not asked to weigh the pros and cons of simultaneous elections but was specifically directed to suggest legislative and administrative measures to implement the concept.
- This limitation in scope has been a significant point of contention among critics, who argue that a holistic analysis of the proposal's broader implications was necessary before moving toward implementation.

Simultaneous polls
Bill: Amendments in
effect from date to be
notified by President

LIZ MATHEW & DAMINI NATH NEW DELHI, DECEMBER 13

THE CONSTITUTION amendment Bill me ant to introduce 'one nation, one election' effectively proposes implementing simultaneous elections to the Lok Sabba and the Legislative Assemblies by 2034 at the earlest, if the present and the next Lok Sabba complete their fiveyear rems.

The Constitution (On-Hundred and Twenty-Nind Amendment) Bil, 2024, which was approved by the Cabine Thursday and is expected to be introduced in the Lok Sabh, soon, says the provisions of the amendment would come into effect on an "appointed date" which the President will not! on the first sitting of the Lok Sabha after a second electric

Sabha after a general election. As The Indian Express reported Friday, this means that smultianeous elections can btield as early as 2004 if the appointed date is notified on the first sitting of the Lois Sabh elected in 2029, as the first sitting of the House elected earlie this vear has passed.

as year has passed.
The Bill, croable damong MP day evening proposes to add a ew Article – 82 (A) (simultane-as elections to the House of the topic and all Legislative soemblies) – and to amend riche 83 (Duration of Houses of Indiament), Article 172 (Duration State Legislatines); and Article 272 (Prower of Parliament) to the Legislative significance of the Legislative significanc

As per recommendations of the high-level committee chaired by former President Ram Nath Rovind, the Bill proposes amendments and insertion of new Articles that would enable the syncing of the terms of the Lok Sabha and state Assemblies. President

The Assemblies elected after the appointed date will come to an end with the end of the full term of the LoS Sabha. If the Los Sabha or any state Assembly is dissolved before the end of the full term of the LoS Sabha or any state Assembly is dissolved before the end of the full term. In the control of the sabha or any state Assembly is dissolved before the end of the full term. In the sabha or any state Assembly is dissolved before the end of the full term. In the sabha or any state Assembly is a sabha or any state Assembly in the sabha or any state Assembly is a sabha or any state Assembly in the sabha or any state Assembly is a sabha or any state Assembly in the sabha or any state Assembly is a sabha or any state Assembly in the sabha or any state Assembly is a sabha or any state Assembly in the sabha or any state Assembly is a sabha

According to the draft bill, tracle 82 Å, which is to be inerred, would be: The President may by a public notification isaxed on the day of the first sitting of the House by the people after general election, bring into core the provision of this article, hat date of the notification shall be called the appointed date.³

The Bill says: "Notwithstanding anything in Article 83 and Article 172, the term of all legislative assemblies constituted in any general election held after the appointed date and before the expiry of the full term of the House of the people shall come to an end on the expiry of the full term of the House of the neonle."

Cling 'expensive and timeconsuming' polls, the government's Constitution amendment Bill for implementing simultaneous elections to the Lok Sabha and State/UT Assemblies says it is imperative to sync the different elections, but does not mention the costs or the exact time line for rolling out the joint polls.

The Bill says the imposition of the MCC puts development work on hold, disrupts normal life, impacts services and curtails government employees from carrying out their core duties as the over mobilised for election duty.

e Union Territories Laws mendment) Bill, 2024, which nends the relevant Acts for is, Delhi and Jammu and shmir, to enable simultaneous actions.

• Concerns, Criticism and Challenges Surrounding the ONOE Proposal

- Public Consultations and their Limitations
 - The report invited public feedback, receiving over 21,000 responses, with 80% reportedly supporting the proposal.
 - However, the methodology of soliciting suggestions, restricted to Hindi and English, has drawn criticism for potentially excluding a significant portion of India's multilingual and diverse population.
 - Consequently, the responses may not adequately represent the views of all regions or communities, particularly those where regional parties dominate the political landscape.

Political Divisions over the Proposal

- Among the 47 political parties that responded to the committee, a stark divide emerged.
- Thirty-two parties, all aligned with the ruling National Democratic Alliance (NDA), endorsed the proposal, emphasising its potential to streamline governance and reduce election-related expenditures.
- On the other hand, **15 opposition parties vehemently opposed it**, deeming the proposal antidemocratic and a threat to federalism.
- Critics argued that simultaneous elections could centralise power, marginalise regional parties, and shift India's parliamentary system toward a quasi-presidential model, where national narratives overshadow local and state-specific issues.

Phased Implementation and Constitutional Amendments

- The scope of the proposal extends beyond merely aligning election dates.
- It envisions the synchronisation of Lok Sabha and State Assembly elections, while local body elections are to follow within 100 days of general elections.
- This phased approach, while attempting to address logistical complexities, raises questions about its alignment with the very definition of simultaneous elections.
- The report also outlined constitutional amendments, including the introduction of a new Article 82A, which mandates that all legislative assemblies elected after a specific date complete their full terms alongside the Lok Sabha.

Dilution of Local and State Level Issues

- A primary concern is that simultaneous elections could dilute the focus on local and statespecific issues.
- National narratives might overshadow regional matters, undermining the federal structure of governance.
- States could lose the flexibility to dissolve assemblies based on political needs, potentially affecting the outcomes of state elections.
- The report's proposal to align state elections with the Lok Sabha's tenure in case of early dissolutions raises questions about the practicality and fairness of truncated terms for elected representatives.

Logistical Challenges

- The proposal requires conducting municipal and panchayat elections within 100 days of general elections, effectively demanding two separate election phases.
- Mobilising 15 million election staff twice in such a short span, while ensuring voter participation, could prove impossible.
- Wage workers and employees might face difficulties in returning to polling stations, potentially disenfranchising millions.
- Furthermore, the financial burden of acquiring and maintaining three times the current number of electronic voting machines (EVMs) and voter-verifiable paper audit trails (VVPATs) contradicts the purported goal of cost reduction.

• Some Other Criticisms of ONOE Proposal

- Little Contemplation on Alternative Approaches
 - The **report did not explore alternative methods** to address election-related costs and disruptions.

- Reducing the duration of elections from 10 weeks to four weeks, coupled with a cap on political party expenditures, could significantly lower costs without overhauling the electoral framework.
- These measures, however, were beyond the committee's mandate, raising questions about the

narrow scope of its recommendations.

Questions on the Sincerity of the Proposal

The credibility of the simultaneous election proposal has been undermined by its inconsistent How Railways (Amendment) Bill could impact the national transporter

implementation over the years.

- For instance, Himachal Pradesh and Gujarat elections, traditionally held simultaneously, were separated in recent years.
- Similarly, elections due within six months have not been clubbed, contradicting the proposal's stated rationale.
- Critics argue that these inconsistencies reveal a lack of genuine commitment to the idea and suggest a political motive behind its sudden resurgence.

Constitutional and Legislative Implications

- Implementing simultaneous elections would necessitate significant constitutional amendments and legislative changes.
- A proposed Article 82A seeks to standardise the tenure of state assemblies with the Lok Sabha.
- However, the proposal does not eliminate the possibility of midterm elections, which could undermine the very principle of simultaneity.
- Additionally, transitioning to a single electoral roll for all three tiers of elections, as recommended, would place an onerous responsibility on the Election Commission of India (ECI).
- It will require seamless coordination with state election commissions which is a challenging task, especially in opposition-ruled states.

Conclusion

- The concept of simultaneous elections has the potential to streamline India's electoral **processes**, reduce costs, and minimise disruptions to governance.
- However, the current proposal is fraught with challenges, ranging from logistical and financial constraints to constitutional and democratic concerns.
- o Its implementation without a broad consensus risks undermining India's federal structure and democratic ethos.
- Without genuine consensus and transparent deliberation, the One Nation, One Election plan risks becoming an exercise in centralisation rather than a tool for democratic empowerment.

5. Railways (Amendment) Bill, 2024

GS 2 (Governance)

- Why in News: The Railways (Amendment) Bill, 2024 was passed in the Lok Sabha, after being introduced five months earlier. This significant piece of legislation seeks to modernize and streamline the legal framework governing Indian Railways. It aims to incorporate provisions from the Indian Railway Board Act, 1905, into the Railways Act, 1989, simplifying the laws and enhancing the functioning of the Railway Board.
- Key Provisions of the Railways (Amendment) Bill, 2024
 - o The Bill aims to integrate the Indian Railway Board Act, 1905, into the existing Railways Act, 1989. This merger is intended to reduce reliance on multiple laws, simplifying the regulatory structure for the railways.

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- Statutory Backing: The amendment provides statutory backing to the Railway Board, which has been functioning without formal sanction since its inception. This provision seeks to formalize the powers and responsibilities of the Board.
- Enhanced Powers: The Bill empowers the Central Government to decide the composition of the Railway Board, including determining the number of members, their qualifications, and the terms of service. This move is aimed at improving the operational efficiency and governance of Indian Railways.
- Decentralization and Autonomy: The amendment seeks to increase the autonomy of various Railway Zones, addressing long-standing demands for greater regional independence. This is expected to improve operational efficiency and decision-making at the local level.
- o **Independent Regulator**: The Bill proposes the establishment of an independent regulator to oversee key areas such as tariffs, safety, and the participation of the private sector in the railway system. This recommendation was first made in 2015 by the Committee on Restructuring Railways.
- Faster Approval Process for Train Services: The amendment is designed to expedite the approval process
 for new train services, helping meet the growing demand in various regions of the country. One example
 of such improvements includes the extension of the Arunachal Express via key routes in Bihar.

• Evolution of Indian Railways Law

- The Indian Railways network was initially established as part of the Public Works Department during British rule.
- The Indian Railways Act, 1890, was enacted to organize and regulate the expanding railway network.
 Following this, the Railway Board Act, 1905, formalized the governance structure of Indian Railways.
- The Railways Act, 1989, was introduced to replace the 1890 Act, marking a shift towards modernizing and consolidating the legal framework for Indian Railways.
- o Railway Board's Lack of Statutory Authority: Despite the enactment of the 1989 Act, the Railway Board continued to operate based on executive decisions rather than statutory backing, which the current amendment seeks to rectify.

6. Arctic ice melting - First ice-free day in the Arctic could come by 2030 GS 3 (Environment)

Why in News:

 A new study published in Nature Communications suggests the Arctic Ocean could experience its first icefree day—defined as less than one million square kilometers of sea ice—by 2030 or earlier, driven by

unprecedented greenhouse gas emissions.

 The analysis warns that while the scenario is unlikely, its plausibility is growing due to continued humaninduced climate change.

 Arctic sea ice has been shrinking at an alarming rate, with its extent

First 'ice-free' day in Arctic could occur before 2030: why does it matter?

Ameling Arctic

In the last 45 year, Arctic as ice has been adding after an arctic and gring or summy word worders and prints for a low year. As the row year from the drawn model simulations per last first has a consequent for the first has been arching after the effect and prints for a low year. As the row year from the drawn model simulations per last first has a 12-bit year. As the consequent for the first has a consequent for the first has a

decreasing by 12.6% per decade over the last 40 years—a rate unmatched in at least 1,500 years, according to the MIT Climate Portal's 2023 report.

• Arctic Region

Introduction

- The Arctic region, or the Arctic, is a geographic region spreading around the North Pole.
- It includes the northern parts of Canada, the United States, Russia, Finland, Sweden, Norway, Iceland, and Greenland.
- The Arctic Ocean lies between these lands. An imaginary line, called the Arctic Circle, surrounds most of the area.
- The Arctic Circle (66° 33'N) defines the Arctic based on solar radiation.

o Geography and Climate

- The Arctic consists mainly of flat, treeless tundras with some mountainous areas.
- Much of the ground is permanently frozen, with only the top layer thawing in summer.
- Greenland is largely covered by a permanent ice sheet.
- Daylight: The North Pole experiences six months of darkness followed by six months of constant daylight, while Arctic lands farther south have shorter periods of daylight in winter and brief darkness in summer.
- Temperature: Winters are extremely cold, with temperatures reaching -90°F (-68°C) inland, while summers are mild at around 50°F (10°C). Snowfall is heavier near the coasts.



o Flora and Fauna

- Plants: Trees are scarce, growing only in southern regions. The tundras support lichens, mosses, grasses, and some flowering plants.
- Animals: The Arctic hosts polar bears, caribou, Arctic foxes, Arctic hares, gray wolves, seals, walruses, whales, and various fish. Birds like the snowy owl live year-round, while others migrate during summer.

Human Presence

- Indigenous Peoples: Indigenous groups like the Nenets, Sakha, Evenk, Chukchi, Sami, Inuit, and Aleuts traditionally inhabit the Arctic, living in small settlements.
- Settlers: In the 1900s, industries such as mining and oil drilling attracted settlers of European descent, who established larger towns and cities.

Key highlights of the study

Key Findings

Near-Term Ice-Free Scenario

Nine simulations projected the first ice-free day could occur as early as September 2027
if conditions such as an unusually warm fall, winter, and spring, combined with stormy
weather, align.

Extended Ice-Free Period

• The simulations suggested the ice-free period could last between 11 and 53 days, potentially leading to the Arctic's first ice-free month.

Timing uncertain

- While the exact timing of the first ice-free day is uncertain, scientists agree it is inevitable unless dramatic reductions in GHG emissions are achieved—a scenario deemed unlikely in the near future.
- The occurrence of the first ice-free day may trigger more frequent events in subsequent years.

Driving Factors

- Unprecedented GHG emissions are accelerating Arctic Sea ice decline.
- Global surface concentrations of carbon dioxide, methane, and nitrous oxide reached record highs in 2023, as reported by the World Meteorological Organization (WMO)

• What happens if the Arctic becomes ice-free?

Impact on Climate Change

- The loss of Arctic Sea ice accelerates climate change due to the **Albedo effect**, where the reflective ice is replaced by darker ocean water that absorbs more solar energy.
- This leads to increased warming in the Arctic, triggering extreme weather events in mid-latitudes.

Rising Sea Levels

- Global sea levels are already rising at an accelerated rate of 3.6 mm per year, 1.5 times faster than the 1990s.
- If the Greenland ice sheet melts entirely, sea levels could rise by six meters, threatening coastal communities worldwide.

o Ecosystem Disruption

- Species like polar bears, walruses, Arctic foxes, snowy owls, and reindeer are at risk due to habitat loss and melting permafrost.
- Marine animals are migrating further north for colder waters, disrupting food chains and dependent species.

Human and Infrastructure Impact

■ The Arctic is warming four times faster than the global average, endangering ecosystems, infrastructure, and livelihoods of Arctic communities.

