

IAS Mentorship

Reyasat Ali sir & Experienced team in CSE prep

CSE Main 2025: Mini Mock Test 3

Syllabus:

-
- GS Geography
-
-

Name of Candidate

Sheelab Ali Khan.

Email Id

[Redacted]@mail.com

Date

Time: 1 Hour

Start Time:

Medium: Hindi / English

End Time:

Q. No.	Max. Marks	Marks obtained
1	10	3.50
2	10	4.0
3	10	4.0
4	15	5.0
5	15	4.50
6	15	5.0
7	15	5.50
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Total	90	31.50
Invigilator	Signature	[Signature]

WhatsApp/Telegram/Text/Call: 8090528260

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	PARAMETERS	VERY GOOD	GOOD	AVERAGE	SUB-STANDARD
1.	Conceptual Clarity on the Topic		✓		
2.	Understanding on The demand of Question			✓	
3.	Introduction – Contextual relevance & Perfectness			✓	
	BODY PART				
4.	Structure/Logical Structure			✓	
5.	Presentation			✓	
6.	Relevance of Content / Content Enrichment			✓	
7.	Effectiveness of Commination / Language			✓	
8.	Conclusion – Contextual Relevance			✓	

Dear Shedab

- Introduction:- you need to start with the relevant theme / context of the question, focus on the major keywords.
- Content:- you need to articulate content enriched points especially in body part.
- Structure:- Improve your structure and make it more attractive.
- Presentation/Aesthetic:- your presentation needs to be more legible and maintain your flow as well.

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Feedback continues....

Your Positives:-

- Appreciate you have attempted all the Qs and have maintained Status Qua non.
- you have good basic Conceptual understanding and analysis on demand parts is fair except few Qs.
- you have potential to frame good answers. Keep given comments in mind for upcoming mocks.

Areas of Improvement:-

- Start your introduction with relevant definition/ reports, can add e.g.s/cases.
- Improve your relevance to the question, try to break down the sub-parts and address each with logical explanation.
- for Content Quality, show/express solid understanding enrich your content with data, facts, e.g.s.
- Analysis and balance of arguments should be kept in mind and avoid being one-sided balance each demand dimension as per wordlimit.
- Improve your presentation write in given space and manage word limit adherence.

Keep writing

Best of luck

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Q1: Explain the concept of atmospheric rivers. What is their role in extreme precipitation events? (150 words)

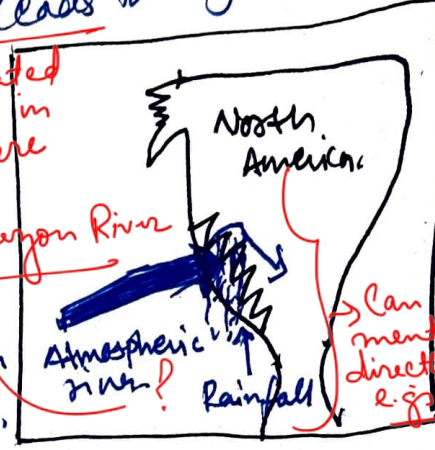
प्रश्न 1: वायुमंडलीय नदियों की अवधारणा को समझाइए। अत्यधिक वर्षा की घटनाओं में उनकी क्या भूमिका है? (150 शब्द)

Atmospheric rivers are the long & narrow regions in the atmosphere carrying high amount of water vapour, which upon landfall leads to high precipitation (NOAA)

→ Into is relevant

Concentrated moisture in atmosphere

e.g. Amazon River



Atmospheric rivers

Rivers in the Sky

① Region of high evaporation & water vapour concentration.

② They are long (~2000km), narrow (50 km) and deep (3km)

most common regions occur world over
most common: USA, UK, Ireland, China.

Relevant fronts articulated

③ They are mostly associated with maritime tropical air masses [eg] Pineapple express

enhance the process

④ They are influenced & driven by Jet streams.

⑤ They can lead to extreme precipitations and snowfall on windward side [eg] North-west USA

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⑥ These regions when come in contact with mountain relief can lead to extreme rain on the windward side.

→ limit the this part and come to this

⑦ They can contain as much water as @ the mouth of Mississippi (NOAA)

Role in extreme precipitation events

① can lead to flash floods, extreme rainfalls etc

eg 17% of storms in USA associated with them

→ points are related to need about

② Impact on rainy season in China horse

eg make rainy season

③ rainfall in upper latitudes → as carry moisture from tropics to higher latitudes

→ impact on Indian subcontinent
→ flash floods in Uttarakhand and heavy snowfalls in J&K
→ climate change P.M

④ Important role in replenishing water sources, maintaining hydrological cycle & water in arid & semi arid regions eg California desert

3.50

Atmospheric rivers play a key role in providing moisture to some dry regions of the world; however their frequency & intensity have increased due to climate change (IPCC)

write in given margin Avoid -ve marking

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Q2. Discuss the issues associated with sugarcane farming in India and its implications. Suggest measures for sustainable sugarcane farming. (150 words)

Q2. भारत में गन्ने की खेती से जुड़े मुद्दों और उनके निहितार्थों पर चर्चा करें। गन्ने की सतत खेती के उपाय सुझाइए। (150 शब्द)

Intro is Genetic
Start with vital role farming in Economy
India is the 2nd largest sugar producer in the world. However, there are some challenges associated with it.

Challenges associated with Sugar Cane Farming & its implications

1) High water need: "Water guzzling crop" leading to depletion of ground water

2) Haphazard expansion: [Eq] In Marathwada region, not suitable for it but still expanded in the region causing economic loss

3) Low FRP: Issues with fair & remunerative price leading to indebt

Can mention broader perspective
Economic challenges
Tech. constraints
low sugar recovery rates
high costs



Sugar growing regions.

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④ poor yield & decreased productivity: due to lack of water, pest & climate change

⑤ Skewed penetration: In UP & Maharashtra

⑥ TN leading to lobbying & regional development

⑦ Others: Climate change, debt, suicides by farmers etc.

Measures for Sustainable Sugar Farming

① Increasing Sugar Cooperatives: Empowering farmers

② Focusing on R&D: In the sugar sector

③ Promoting region specific sugar farming

: No farming in arid regions

④ Adequate irrigation facilities

⑤ Promoting diversification: focus on crop

Diversification in various dominant regions

Sugarcane industry can play a key role in helping India attain atmanirbhar by 2047.

4.0

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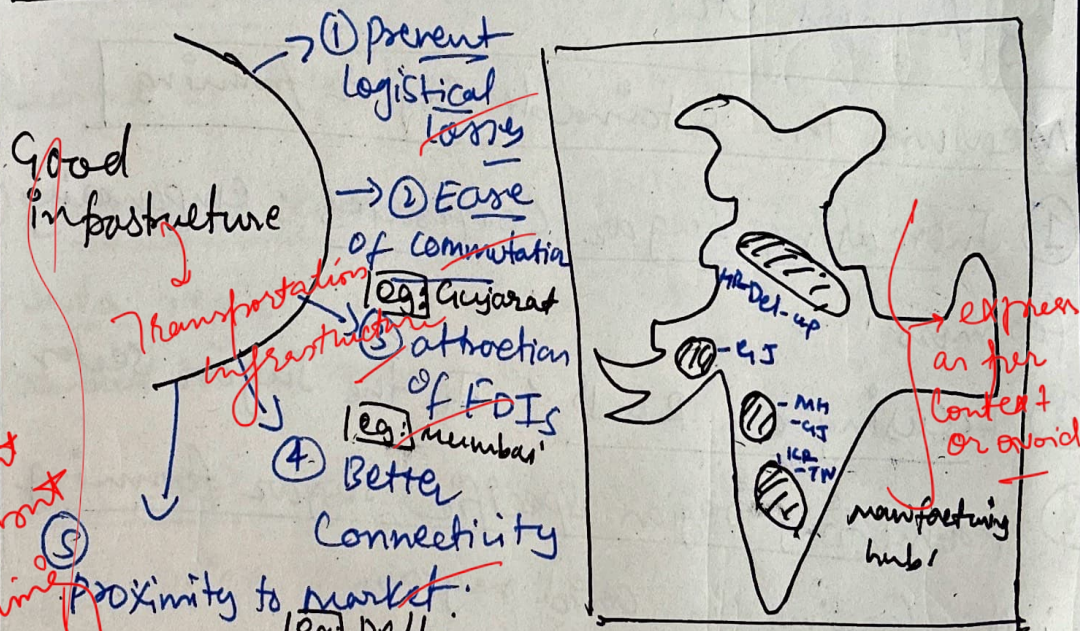
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Q3. "How are factors like good infrastructure, government policies, and global trade trends shaping the location of manufacturing industries in India? What impact does this have on the development of different regions of the country?" (150 words)
 प्रश्न 3. "अच्छे बुनियादी ढांचे, सरकारी नीतियों और वैश्विक व्यापार रुझान जैसे कारक भारत में विनिर्माण उद्योगों के स्थान को कैसे आकार दे रहे हैं? इसका देश के विभिन्न क्षेत्रों के विकास पर क्या प्रभाव पड़ता है?" (150 शब्द)

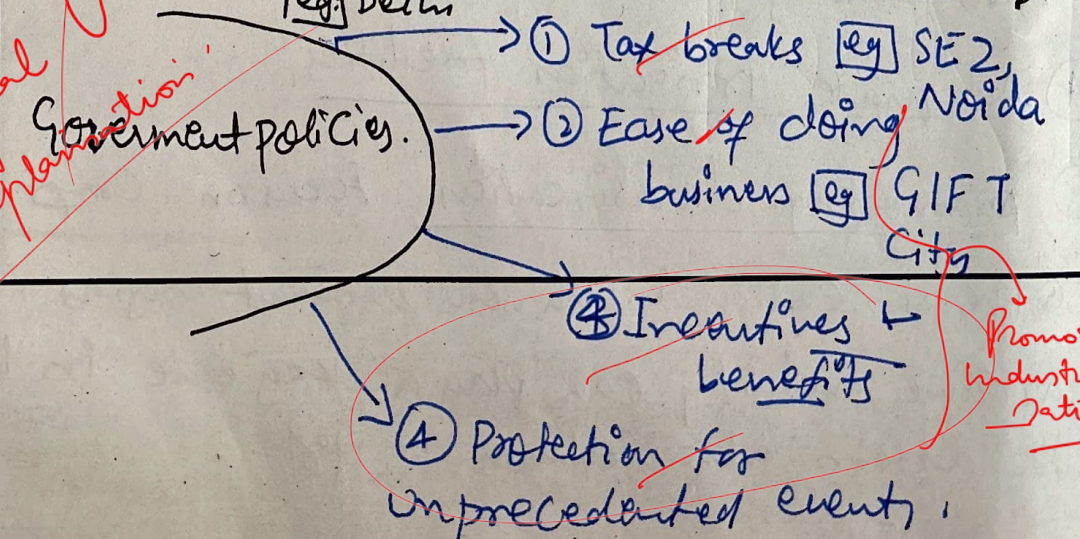
→ Introduction is relevant & mention core examples

Manufacturing sector forms the backbone of other sectors in India, however the location of industries depends on factors like good infrastructure, having impact on regional development.

Impact of various factors on Industrial location in India



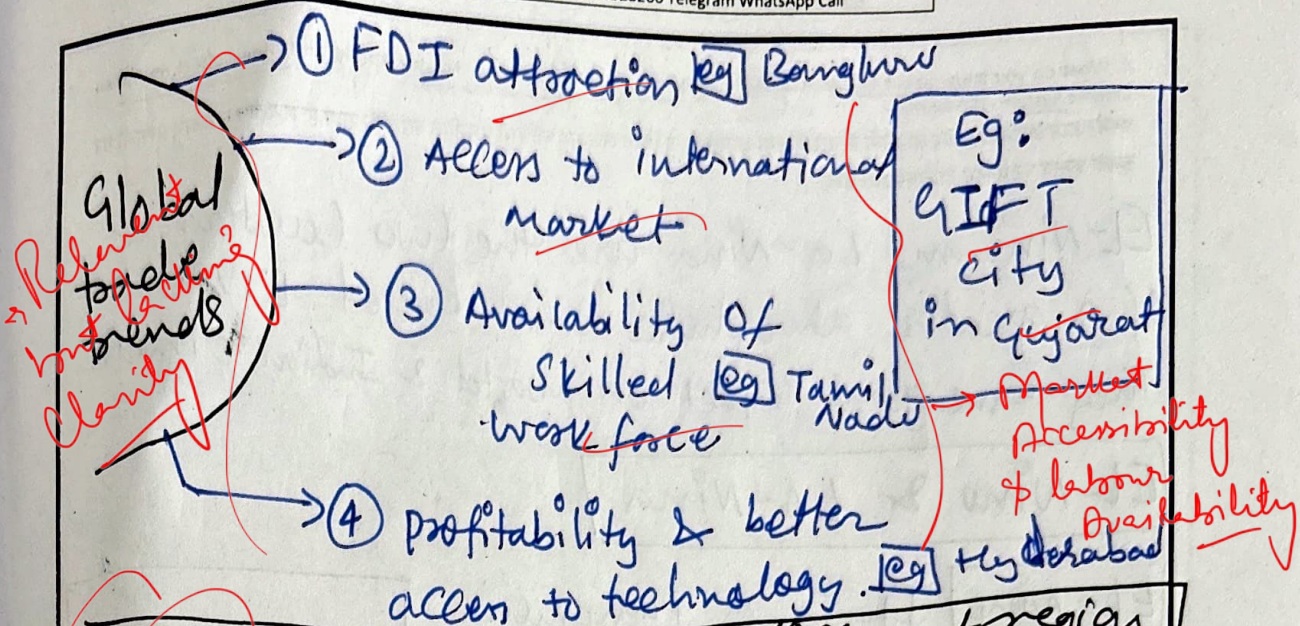
→ Relevant points but lacking



logical explanation

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Impact on development of different regions

- ① Skewed development: Regions like Delhi - Gurugram, Noida etc developed but other regions under developed [eg] Palwal
 - ② Migration: attraction towards these hubs leading large migration.
 - ③ De-population of rural areas: Thus preventing rural development.
 - ④ Skewed sectoral growth: Sectors like agriculture etc being impacted & low growth.
 - ⑤ Development of tier-2 & tier-3 cities [eg] Bhopal, Indore, Surat etc.
 - ⑥ Regional disparities: South better developed compared to West & East.
- Development of manufacturing sectors will lead to development of India & achieve \$5T by 2027.
- Conclusion is not considered
- 4.0

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4. What do you know about El-Nino and La-Nina? How do they affect world climate? Also highlight their effect on Indian Climate System. 250 words

प्रश्न। आप अल-नीनो और ला-नीना के बारे में क्या जानते हैं? वे विश्व जलवायु को कैसे प्रभावित करते हैं? साथ ही भारतीय जलवायु प्रणाली पर इनके प्रभाव पर प्रकाश डालिए। 250 शब्द

Introduction
needs more clarity on the given terms

EL-Nino and La-Nina are the two counter parts of a greater atmospheric event called ENSO. They have great impact on world & Indian climate.

EL-Nino & LA-Nina

EL-Nino It is a phenomena that is marked with warmer than normal East pacific region.

① Trade winds keep warm equatorial current ~~below~~ equator bound.

② when they weaken, the warm equatorial current replaces cold Peruvian current.

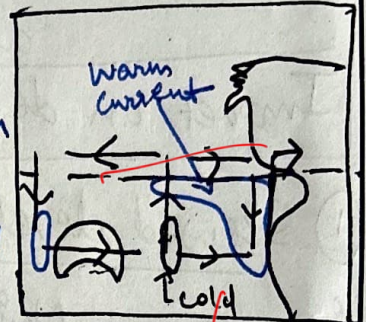
③ This leads to reversal of the Walker's cycle

LA-Nina It is opposite phase of EL-Nino, it is marked with colder than normal East pacific region.

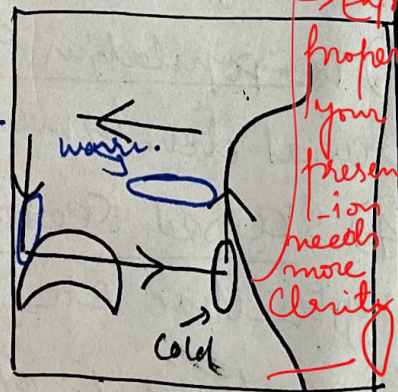
① Trade winds are stronger, keeping equatorial current equator bound.

② further leading to decrease in temperature around the Peruvian coast

③ Walker's cycle strengthens.



EL-Nino



LA-Nina

→ Explain properly your presentation needs more clarity

→ Need to address this part of the world

→ Introduction needs more clarity on the given terms

Warmer than Avg. sea surface temp. Cooler than Avg. sea surface temp.

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Impact on world climate

EL Nino

- ① Reversal of Walker's Cycle leading to climate change
- ② High rainfall & low pressure over Pacific coast and South America.
- ③ Suppression of Cyclones in Atlantic region.
- ④ Rainfall in South of North America.
- ⑤ Mexico remain dry with unexpected rainfalls & floods.
- ⑥ Poor monsoon in India, dry conditions in Indonesia & Australia.
- ⑦ Drought like conditions in Africa.

LA Nina

- ① Strengthening of Walker's Cycle.
- ② Stronger monsoon & better rainfall in India & Bangladesh.
- ③ Floods in Indonesia, Australia etc.

④ Dry & winters West coast of South America.

⑤ High Cyclones in Atlantic.

⑥ Rainfall in North America & Mexico.

→ Improve your format of presentation

⑦ Stronger winters in North America

⑧ Rainfall in Africa

Impact on Indian climate

EL-Niño Cause reversal of Indian Ocean Dipole

① Stronger & extreme Summers

② Suppressed monsoon & delay in monsoon
eg 2021 monsoon

③ Decreased Snowfall eg 2024 Kashmir, Thoubats in Central & Northwestern India.
No snowfall in Gulmarg.

④ Heat waves conditions can prevail for long
↳ Impact on Agriculture

IA - Niña

① Early onset of monsoon & extreme rainfall
↳ flooding

② Higher than normal precipitation.

③ Wetter Summers with high wet bulb temp
Temperature & Humidity

④ ~~Wetter~~ Colder winters @ Northern India.

These atmospheric phenomena are of great significance for world climate. However their changed frequency is a cause of concern.

50

Relevant points

Relevant points enhance your logical explanation

Conclude with precautionary measures

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Q5. "The Himalayan ecosystem, often called the 'Third Pole', plays a vital role in India's climate regulation and water security. Discuss its significance for India's hydrological cycles and the challenges posed by climate change." (250 words)

प्रश्न 5. "हिमालयी परिस्थितिकी तंत्र, जिसे अक्सर 'तीसरा ध्रुव' कहा जाता है, भारत के जलवायु विनियमन और जल सुरक्षा में महत्वपूर्ण भूमिका निभाता है। भारत के जल विज्ञान घर्कों और जलवायु परिवर्तन से उत्पन्न चुनौतियों के लिए इसके महत्व पर चर्चा करें।" (250 शब्द)

The Himalayan ecosystem is the lifeline of the Indian Subcontinent as most of the rivers originate from here. It's glacial capacity earned it the title of Third pole, playing key role in climate & water security.

→ Crucial role in climate regulation & water security

vital role played by it in climate regulation and water security

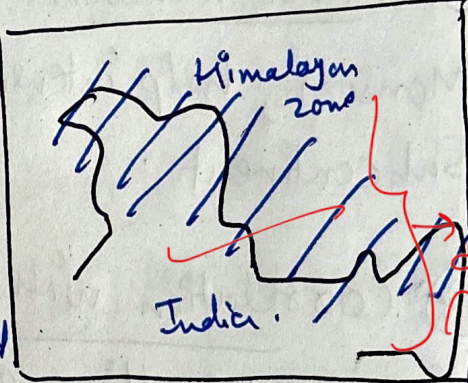
Climate regulation

① Feed monsoon: act as batteries of monsoon

② Rainfall Pattern: melting can lead to extremely wet summers [eg] Summer 2025.

③ winters: snow fall lead to low temperature

④ Air Circulation: Bifurcates jet stream => winters
Snow impact high & low pressure.

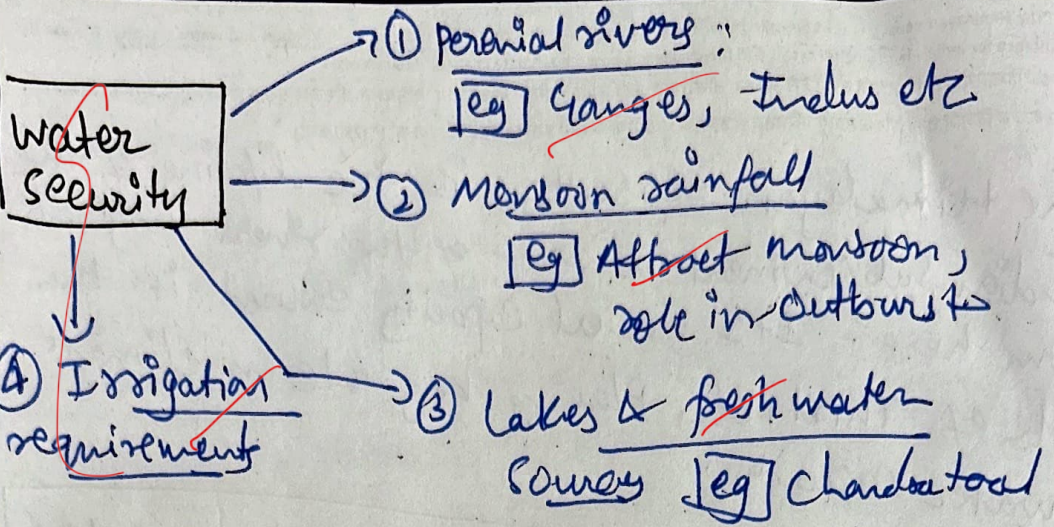


What does it reflect?

→ Relevant points
That is what first part of an. is expressing
So limit this part and the major part of an.

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Role in India's hydrological cycle

① Attract monsoon: Act as a battery of monsoon, help intensify low pressure over Subcontinent.

② Correlation with snow & moisture in summer: Melting of snow can lead to moist winds & more rainfall in the main land.

→ Above points can be explained in correlation with this part.

③ River system: Source of various rivers and play key role in hydrological cycle.

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④ Snowfall & precipitation: Formation of glaciers due to snowfall & precipitation leading to completion of hydrological cycle.

⑤ Impact on Indian Ocean region: prevent intense heating of Himalayan region. leading to balanced heating of Indian ocean & land causing evaporation.

Challenges due to climate change

① Melting of glaciers: 40% increase in glacial lakes in the region (ISRO)

② Changing precipitation pattern: decreased snow cover in the region [Eq] less snow in 2023 winters.

③ Flooding & natural disasters: Incidents of GLOF, Landslide etc increased due to it

[Eq] Sikkim, 2023

④ Water Scarcity: Impact irrigation, Persegrita water availability etc.

Due to climate change the Indian Himalayan region melting at a faster pace than other regions. Steps are needed to protect the region.

Conclude within given space.

Can have addressed strategies for preservation adaptation

4.50

Relevant add factors

Relevant add major elements part of 2023 winters

is not verified

is for challenge

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6. "Marine heatwaves are emerging as a growing concern for India's coastal ecosystems and fisheries. Examine the causes and recent trends of marine heatwaves in the Indian Ocean region. What are their potential impacts on India's economy and marine biodiversity?" (250 words)

6. "समुद्री उष्ण तरंगों भारत के तटीय पारिस्थितिकी तंत्र और मत्स्य पालन के लिए एक बढ़ती हुई चिंता के रूप में उभर रही हैं। हिंद महासागर क्षेत्र में समुद्री उष्ण तरंगों के कारणों और हाल के रुझानों की जाँच करें। भारत की अर्थव्यवस्था और समुद्री जैव विविधता पर उनके संभावित प्रभाव क्या हैं?" (250 शब्द)

Marine heatwaves refers to increase in the sea surface temperature above the threshold temp for five consecutive days. It's incidence has increased in Indian ocean zone.

Criteria

→ There is no minimum temperature limit

- ① 3 or 4°C above threshold temperature
- ② Continues for at least 5 consecutive days.

Recent trends in Indian Ocean region

① High & increased incidents [eg] Lakshadweep

② 240% increase in the number of days experiencing MHWs in Indian Ocean regions

③ 0.9°C increase in sea surface temperature

Since 1980 levels.

Introduce in relevant part can be mentioned in intro and intro make your specific

Causes → for?

① Atmospheric heat flux: heat domes, high pressure in atmosphere leading to heating

write proper heading

[eg] Peruvian Coast.

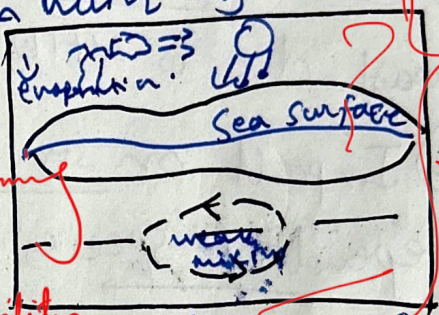
② Climate change: 0.9°C increase in sea surface temperature since 1850 (WMO)

③ Advection: Replacing ~~water~~ cold water by warm

→ clarity on causes

[eg] Tasmanian Sea

→ ocean warming



→ Avoid vague presentation

④ EL-Nino - Southern Oscillation: leading to ^{climate variability} extreme situation in Pacific & Indian Ocean region. El Nino / IOD / NAO

→ Heat flux & ocean currents.

Impacts → on?

Economy

① Fishery sector impact: Can cause fish kills & dead zones, impacting fishery sector.

on

② Impact on aquaculture: leading to decrease yield & output [eg] Salmon kills in Chile.

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③ Import decrease: India is the largest exporter of marine products, it can be negatively impacted.

④ Increase in natural disaster: [Eg] Cyclones leading to economic & logistic challenges.

Marine biodiversity

① Coral bleaching: 85% corals off main coast due to MHWs.

② Impact on sea grasses, kelp forests & dependent species [Eg] Dugong - (sea cow)

③ Change in ocean chemistry: Can lead to ocean acidification due to more Hydrogen ions.

④ Extinction of species: Critical & vulnerable species like Red handfish can go extinct.

⑤ Migration: Can lead to migration of species.

⑥ Change in breeding pattern & impact population

India can adopt techniques like Cloud Whitening (Australia over GBR) to prevent negative impact of MHWs, which can be very dangerous for the marine ecosystem.

Good relevant points but need to balance your demand dimensions and avoid expansion single dimension keep focus as per way forward

write in given space

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Q7. As Lithium falls in the critical resource category for which India fully depend on import. Critically examine the significance of Lithium reserve finding in India recently. 250 words

प्रश्न 7. चूंकि लिथियम महत्वपूर्ण संसाधन श्रेणी में आता है जिसके लिए भारत पूरी तरह से आयात पर निर्भर है। हाल ही में भारत में लिथियम भंडार की खोज के महत्व की आलोचनात्मक जांच करें। 250 शब्द

Lithium is one of the critical minerals for industrial, playing key role in various sectors. like?
 Its recent discovery in India can be a point of logical and new bi?
 more specific
 needs
 and context

5.9mm Tonnes
of Lithium Reserves
in Reasi distt.
of J&K

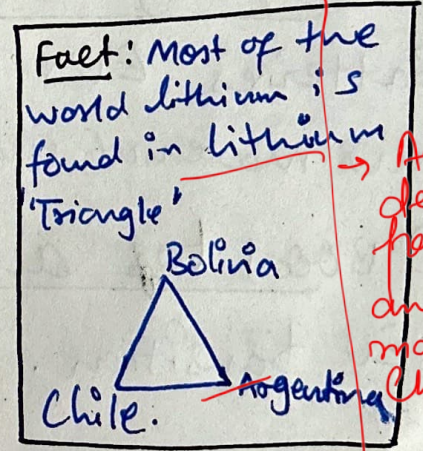
Significance of
Lithium for
India

- ① Green energy transition
eg EVs & batteries
- ② Automobile sector
eg Lithium-ion battery
- ③ Telecom & manufacturing sector
- ④ Defence & security sector

Better India
to address here
how India is
dependant on imports

Latest lithium reserves
findings in India

Geological Survey of India
found reserves in
"Raesi" district of J&K



Address demand fast fairly and maintain chronological order.

Address here
what is being asked not what you know

Lithium resources in Karnataka's Mandya's distt.

Significance

- ① Self Sufficiency: High quantity has been found, sufficient for personal consumption.
- ② Employment: specially in the region of Jammu & Poonch.
- ③ Technology development: private company participation in extraction can lead to tech technology transfer.
- ④ Investments: In manufacturing sector, extraction sector & lithium development.
- ⑤ Shifting manufacturing base: of Batteries, EVs etc in India due to raw material availability.
- ⑥ Boost to automobile sector: leading to EV transition.

→ Articulate properly
→ Relevant Contextual findings

→ of lithium mining in India

→ Segregate this part under Strategic Significance

→ Energy Security
→ Economic Development

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⑦ Others: Decrease in ~~Export~~ ~~Revenue~~, Imports, preserve forex, attract investments, help in climate change mitigation & transition.

Challenges → for?

① Environmental Concerns: With mining in

^{Info} ^{Competition} Sensitive areas like J&K.

② Poor grade mineral: Quality is not very good, found in complex compounds.

③ Clearance: Land clearance, environment clearance etc.

Way ahead

① Proper Environment & Social Impact Assessment be carried out.

② Private Sector participation be fostered.

③ More R & D in the field.

Lithium reserve finding can be a way in making India a vijay desh by 2047.

550