

IAS Mentorship

Reyasat Ali sir & Experienced team in CSE prep

CSE Main 2023: Mini Mock Test 3

Syllabus:

-
- GS Geography
-
-

Name of Candidate

ABDULLAH ZAHID

Email Id

[REDACTED]@gmail.com

Date

Medium: Hindi / English

Time: 1 Hour

Start Time:

~~2:15 PM~~ 2:15 PM

End Time: 3:30 PM

Q. No.	Max. Marks	Marks obtained
1	10	3.5
2	10	4
3	10	4
4	15	6
5	15	5.5
6	15	6
7	15	6
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Total	90	35
Invigilator	Signature	

WhatsApp/Telegram/Text/Call: 8090528260

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

	Excellent	Good	Average	Unsatisfied
Introduction		/	/	
Conceptual Understanding		/	/	
Contextual Clarity		/	/	
Content Enrichment		/	/	
Presentation		/	/	
Alignment			/	
Contextual Justification				

Dear Aspirant ,

You have enough potential and understanding of the examination demands, some dimensions are missing to improve those areas 'follow suggestion provided. Rest is up to the mark.

Introduction - Good .

Introduced nicely in every question (except question number 4)So just keep it up with same intent.

In Q(4) provide current situation of cyclones and monsoon trough in indiaand explanation about these processes should come in body part.

Q(1) - question asked impacts on marine and Terrestrial ecosystems so provide them separately.

Q(2) - Use flowchart to provide a proper linkage between discovery of lithium and their socio, economic and political Significances for India.

Q(3)-Mention different causes for overuse and depleting situation of ground water resources.

Q(4)- work on the introduction part .

Provide impacts of various geological phenomena which are results of Global warming in the Indian monsoon.

Q(5)- follow comments, use of Headings and subheadings required to improve structure and presentation competency in this question.

Q(6)- provide significance of the Arctic for global climate and global economy separately, both are different dimensions.

Also use a schematic diagram in India's Arctic policy part to improve presentation competency.

Q(7)- content enrichment required, follow suggested comments.

Content enrichment - lagging in every question.

Detailed comments are provided in every answer , read them carefully and include them for future references.

Use government reports, committee reports to back your facts and data .

Follow comments.

Presentation - In question number (7) draw an Indian map to show the huge coast line. Use flowcharts and schematic diagrams where possible.

These presentation skills are very much important to gain few extra marks in every question.

Good Luck

IAS Mentorship

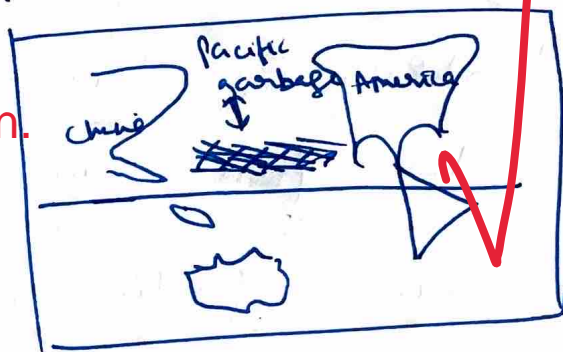
By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

Q1. What do you know about Great Pacific Garbage Patch? Discuss causes and its impacts on marine and territorial ecosystem. 150 words

3.5/10

Great Pacific Garbage Patch is the
type of marine debris in the northern
central Pacific ocean.

Ex) California to Hawaii
Required introduction.



The Great Pacific Garbage Patch, also called the Pacific Trash Vortex, is the largest of the five ocean garbage patches on Earth.

Causes

① Anthropogenic pollution Ex) plastic

② Discarded fishing gears

Add- plastic material floating into the rivers are major sources of this accumulated debris

③ Merchant ship expelling sewage and used medical equipment

Relevant

Mention currents responsible for accumulation such as kuroshio, north Pacific, California ...etc.

④ Microplastics from used cosmetics

Add suggested points

Impact on marine and terrestrial

① Not biodegradable → causes
pollution for long time **Relevant**

② Very microscopic → can lead to
problem of bioaccumulation and
enter food chain **Good point**

③ Animals feeding on plastic make
vulnerable to death risk due to
choke **Relevant**

④ Plastic leaching harmful chemical
destroying coral reefs **Good point**

⑤ Proliferation of Invasive species
Justify with examples.
Separately mention Impacts on Marine and Terrestrial ecosystems. **Relevant**

Thus, marine plastic pollution need to
be tackled via Paris style **Valid conclusion**
agreed to achieve SDG 14

Mention various initiatives to control this menace such as 'Ocean clean-up initiative', Project Kaisei, 4ocean, united nations legally binding Treaty (plastic Treaty)....etc ...

Q2. As Lithium falls in the critical resource category for which India fully depend on import. Examine the multiple benefits of Lithium reserve finding in India recently. 150 words

4/10

Recently, lithium reserves have been found in Lehraj district

Valid introduction

Jammu & Kashmir district.

This discovery makes India the seventh-largest source of lithium globally.

India dependency on import

India majorly import lithium from countries like China | Australia.

Required point

Multiple benefits of indigenous li reserve

① Reduce the import bill via reduction
import

Good point

② Boost manufacturing of rechargeable
batteries

Good point

③ Can become part of global
supply chain

Good point

Add- provide a flowchart to link -indias self reliance on lithium resources - reduce fiscal burden (import bill) - diversion of funds to other significant sectors like health/education..etc..- development of human capital. Also mention how self reliance will impact our foreign policy agendas as currently we are dependent on others for import that affect our foreian policies.

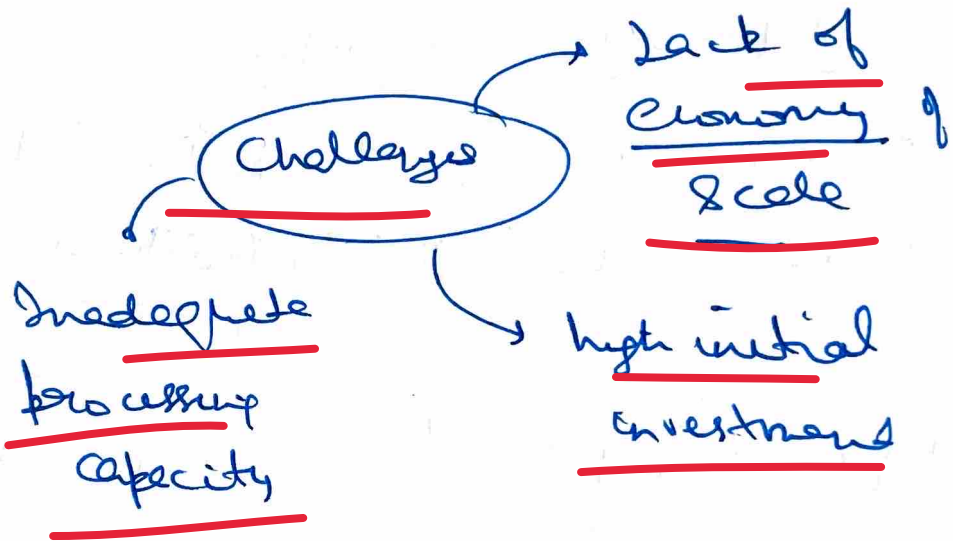
Good points, but follow comments to develop a multidimensional linkage .

- ① Push to green energy target as Lithium is crucial for storage system
- ② Boost the employment opportunities in region

Good point

Valid point

Environmental concerns. May impacts agricultural productivity in the region.



Lithium need to be extracted using sustainable method to meet domestic demand and achieve environmental goals like SAC 13

Valid conclusion

Good attempt.

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

Q3. According to world bank, India is largest ground water user and its fastest growing economy along with high population are putting extra anthropogenic pressure on the country's groundwater resources, hence immediate actions are required. Comment ~~on the above~~

4/10

India, having 18+ of world population, occupies 2.4% geographical area and consumes 4% of total water resources

Required dataset

India is largest groundwater user (25+ of global groundwater withdrawal) to cater to domestic needs / agriculture and industry demands.

Valid points

Main Manifestations of Anthropogenic pressure

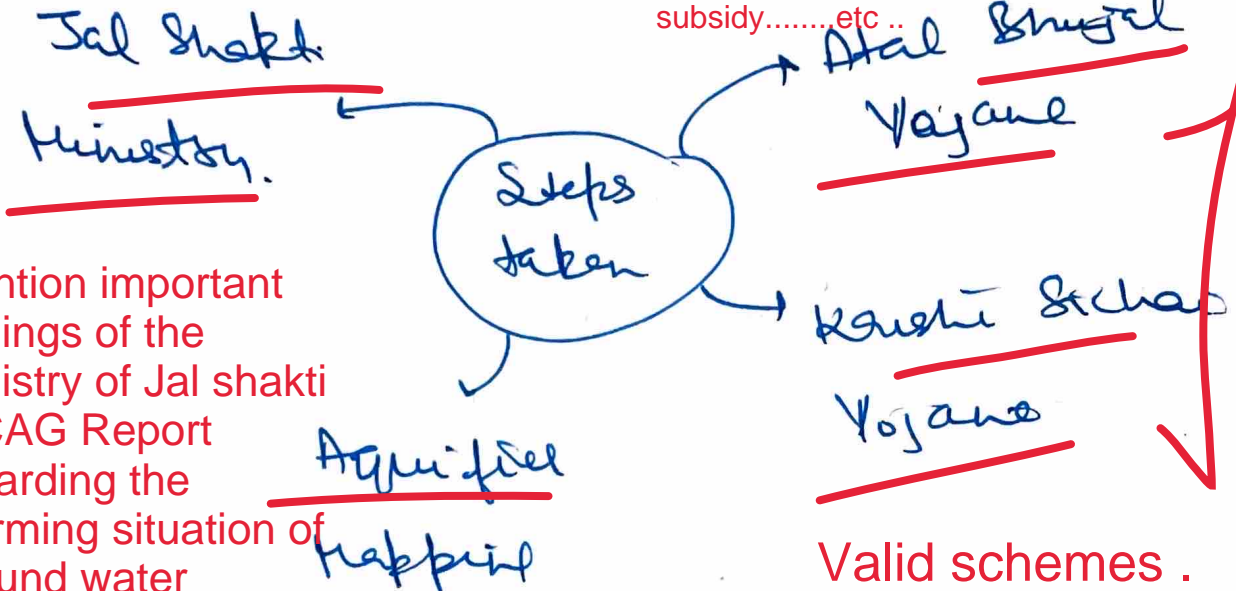
① 17% of groundwater blocks are overexploited (CGWB) Valid point

② Polluted groundwater in many areas (+) Uranium in Punjab

Valid point

Add - mention various causes responsible for overuse of ground water such as population pressure (18% of the world population relied on 4% of water resources), modern agricultural practices like seeds used in green revolution areas, industrial development , unplanned urbanisation, global warming and climate change causing uneven monsoon which impacts groundwater recharge, electricity subsidy..... etc ..

③ Unregulated extraction



Mention important findings of the Ministry of Jal shakti & CAG Report regarding the alarming situation of ground water extraction in india.

Way forward

- ① Reduce use of groundwater via IRC Campaign.
- ② Regionwise aquifer management plans
- ③ Promote water harvesting using community goodwill
- ④ Regulation of groundwater withdrawal

Valid points

Content lagging.

Elaborate causes, And write 1-2 lines on each government initiative (main objective of the scheme).

Groundwater - Making the Invisible visible
is the way forward to achieve SDG 6 (Water & Sanitation)

Valid conclusion

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

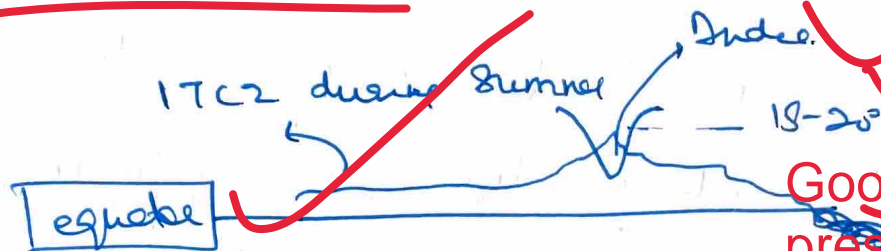
Q4. What do you understand by monsoon trough and cyclogenesis. Discuss the impact of global warming on the Indian monsoon. 250 words

6/15

Provide An effective introduction.

Explain both the processes in the body part.

Monsoon trough is a low pressure belt and part of Inter tropical convergence zone where northern and southern hemisphere winds meet.



Good presentation

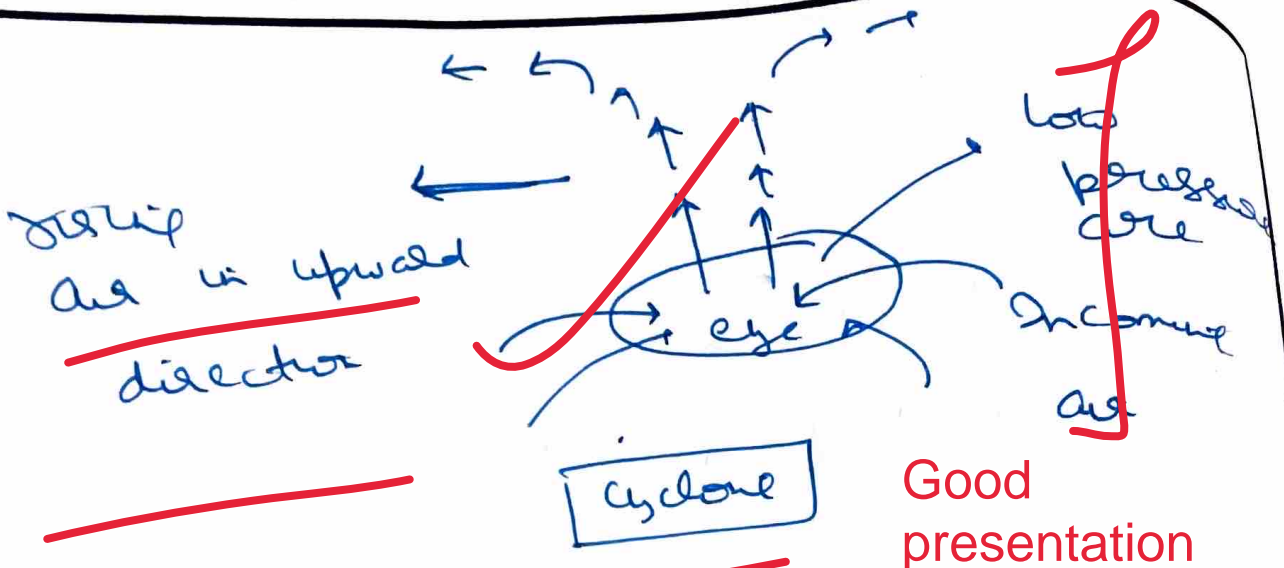
Relevant

Cyclogenesis is a process which lead to the formation and strengthening of cyclones. Tropical cyclone occur near equator over warm ocean water when warm moist air at ocean's surface rise upward resulting in low pressure zone.

Relevant

IAS Mentorship

By Reyasat All & Team | 8090528260 Telegram WhatsApp Call



Good presentation

Global warming is defined as the rise in temperature of ~~atmosphere~~ atmosphere due to anthropogenic action

Relevant

Mention 2-3 anthropogenic activities.

Impact of global warming on Indian Monsoon

① Delayed monsoon → leading to drought like condition

② change in phenomenon like ENSO,

Indian ocean dipole and Madden

Julein oscillation which is

impacting monsoon directly.

In-depth analysis required. Use flow charts to connect all the points.

Briefly explain the impacts of global warming on the occurrences of LA-NINA, El-nino, positive IOD, NEGATIVE IOD, and then link the impacts of these phenomena with the onset of Indian Monsoon.

Correlate the occurrences of frequent cyclones (with examples) with the rising temperatures due to global warming.

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

① Severe Rain fall leading to fresh floods Hydrobasal floods

Relevant

② Delayed monsoon withdrawal due to intense warming of Indian peninsula in withdrawal months.

Relevant

③ IHD - Summer monsoon precipitation has decreased by almost 61%.

Relevant

Provide measures needed (3-4 points) Then conclude. Don't club both the aspects (measures needed & conclusion).

Monsoon play crucial role in India we need to become monsoon resilient via forecasting of climate small smart agriculture and climate resilient infrastructure.

Mention relevant SDGs.

Relevant

Q.5 What do you understand by heat wave? Analyse the causes of its increasing instances across country. What are the worries about the record shattering heat wave? 250 words

5.5/15

Heatwave refers to period of abnormally high temperature. In IMD, heatwave is considered if maximum temperature of station reaches at least 40°C or more for plains, 37°C or more for coastal and 30°C or more for hilly region.

Good brief on Heat waves.

Causes for increasing instances

Add-deforestation in ecologically sensitive areas to improve infrastructural growth.

① Reduced tree cover especially in urban areas.

Examples /data.

Relevant

② Concretization of surface leading to urban heat island effect.

Good point

The extensive use of concrete and asphalt in cities absorbs and retains heat, contributing to elevated temperatures

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

③ Change in landuse reducing natural cooling mechanism. Relevant
Justification required

① Climate change induced delay in monsoon leading to dry spells.

② Fossil fuel based economy leading to global warming and higher temperature. Good point
Good point

Worries about second heatwaves

① Rise in heat related illness - heartstroke, dengue infection etc.

Good point

Use headings and subheadings to improve presentation competency.

② Reduced agricultural productivity threatening food security and income security.

Good point

Headings - Health issues, economic losses, biodiversity loss, Agricultural areas, livestock, environmental impacts...etc...use these points as headings and write 2 lines on each.

③ Water scarcity due to higher rate of evaporation and rising demand.

Good point

④ Infrastructural damage due to expansion of material

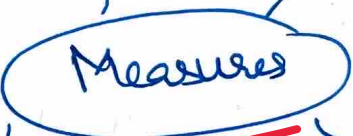
Relevant

⑤ Ecosystem disruption of wildlife.

Relevant

Local hardware action plan

Early warning system



Reduction of global warming

Urban greening

Mapping of areas

Valid measures

Add- Increasing green cover, expansion and restoration of wetlands, restoration of water bodies, sustainable urban building structure, switching to electric vehicles (reducing emissions by fossil fuels)....etc...

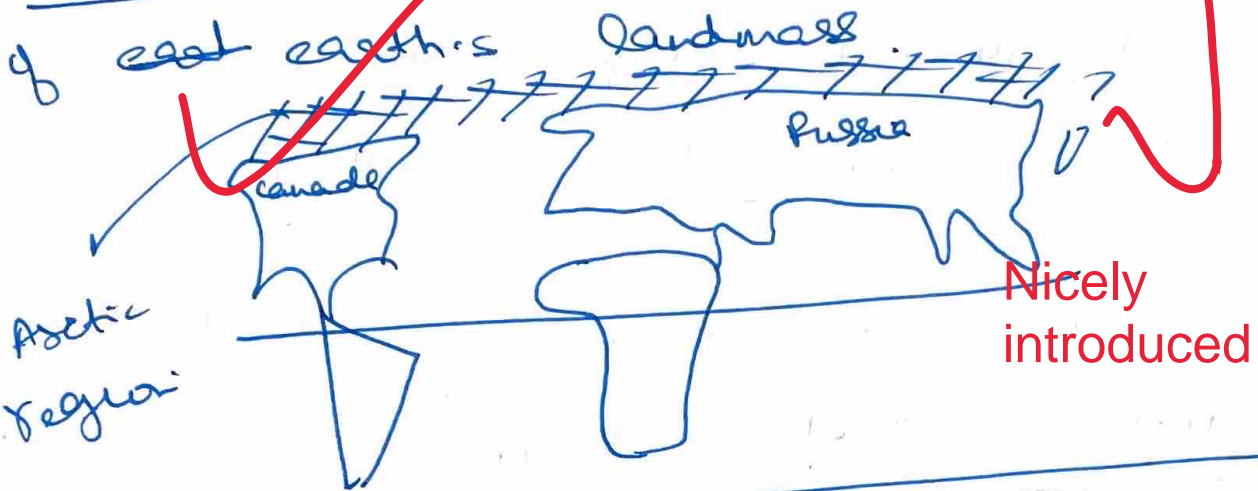
Addressing hardware require multi-stakeholder effort to protect ecosystem and enhance resilience.

Average conclusion

Q6. Examine the significance of Arctic region in the context of global climate and economy. Also point out the India's Arctic policy. 250 words

6/15

Arctic region is the enormous area around North Pole spreading one-sixth



Arctic region

Significance

① Abundant mineral resources like coal / natural gas / gypsum

Separately provide - significance of arctic for (1) global climate (2) Global economy.

Write 4-5 points on each. With 1-2 line explanation.

② Arctic helps to circulate the ocean current of world thereby influencing climate

Valid point

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

Mention its impact on the fishing industry and lives and livelihoods of fishermen.

The storehouse of carbon, its melting will increase the global temperature as well.

③ ~~Since~~ Emerging as a theatre of new geopolitical game where China is trying to assert more. **Relevant**

Add-Rising sea level and danger associated with it.

④ ~~Melting of ice caps~~ can open up new navigation routes. **Relevant**

⑤ Council to Scientific Expedition and Research (CSIR) Turner's Base. **Relevant**

India's Arctic Policy

① Strengthen science and research

② Focus on environmental protection

③ Explore transportation and connectivity potential

Use schematic diagram to improve presentation competency. (Mention 6 pillars of India's Arctic Policy in this form.)

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

④ National capacity building for potential resource exploration sustainably.

Relevant

⑤ Foster international cooperation for coordinated policy making on the implications of the melting.

Relevant

⑥ Study linkage between Arctic and Himalayas.

According to the Ministry of External Affairs, India can play a constructive role in securing a stable Arctic.

India's engagement in the Arctic could bring economic benefits and strengthen international cooperation.

Arctic region in future is going to define the world politics.
It is also imperative that development remain sustainable and inclusive.

Valid conclusion

Q7. Discuss the potential of the blue economy in India? Explain the problems and strategies for sustainable development of it in India. 250 words

6/15

Blue economy refers to strategic and sustainable use of marine resources for the development of economy and well being of human. It is a blue sector

Valid introduction

Add- supports above 90% of the country's business through transportation and contributes approx 4% of its GDP.

Potential

① Fisheries and Aquaculture

Relevant

→ 28mn people employed
→ export potential

Provide export potential

② Maritime transport via bulkers
ports

Mention its potential.

Relevant

③ Marine Ocean energy

④ Tidal energy

Good point

⑤ Explore deep sea mining

⑥ poly metallic nodules

Good point

⑦ Tourism via blue flags beaches

⑧ Kovalam beach, Tamil Nadu

Good point

Problems/Challenges to Blue economy

① Environmental concerns

↳ plastic pollution
↳ coral bleaching

Valid point

② Technology deficit

↳ large fishing vessel misuse
↳ deep sea mining potential untapped

Valid point

③ Lack of unified regulatory

framework coupled with

poor implementation.

Relevant

Add-
mention
indias
coastal
length.
.Mention
its
potential
to
conserve
the marine
biodiversity.

Overfishing
and
unsustainable
methods of
fishing is a
great matter of
concern.

Geo-political conflicts
to establish
hegemony in the vast
marine areas is a
cause of concern.
China's increasing
influence around
india in the Indian
Ocean.

IAS Mentorship

By Reyasat Ali & Team | 8090528260 Telegram WhatsApp Call

Stage

Strategies/Steps taken

① Sagarmala Project for port led development of region

Relevant

② Matsya Sampada Yojana - sustainable development of fisheries sector

Relevant

③ Deep Ocean Mission - develop technology to harness under water

Relevant

④ Indian Ocean Rim Association for promotion of blue economy

Relevant

Essential for achieving nutritional security and inclusive growth

Average conclusion

Add Relevant
SDGs.

Indian navy task force for blue economy.
O-Smart project

These are ongoing programs and initiatives.

You can also suggest some measures to extract blue economy potential sustainably.