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NEXT IAS

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Name of Candidate : C. Sivasakthivel

NEXT IAS Roll No.: NIAS2300019501 **Date of Examination :** .....

Exam Centre : Old Rajinder Nagar ☐ Bhopal ☐ Online ☑

Test Code : _____ **Program :** FLT ☐ FLT+ ☐

MAIN TEST SERIES 2023
(FULL LENGTH TEST-5)

GENERAL INSTRUCTIONS

This Question-cum Answer (QCA) Booklet contains 56 pages. Immediately on receipt of the booklet, please check that this QCA booklet does not have any misprint or torn or missing pages or items, etc. If so, get it replaced by a fresh QCA booklet.

Candidates must read the instructions on this page and the following pages carefully before attempting the paper.

Candidates should attempt the questions strictly in accordance with the instructions specified in the question paper and in the space prescribed under each question in the booklet. Any answer written outside the space allotted may not be given credit.

Question paper will be provided separately and can be taken by the candidates after conclusion of the exam.

.....

SUBJECT/PAPER
GENERAL STUDIES

Invigilator's Sign. : .....

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(For filling by Examiners only)

Evaluator Code :

Q.No	Pg No.	Maximum Marks	Marks	Total
1	1			
2	3			
3	5			
4	7			
5	9			
6	11			
7	13			
8	15			
9	17			
10	19			
11	21			
12	24			
13	27			
14	30			
15	33			
16	36			
17	39			
18	42			
19	45			
20	48			
Grand Total				

Signature

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MACRO COMMENTS

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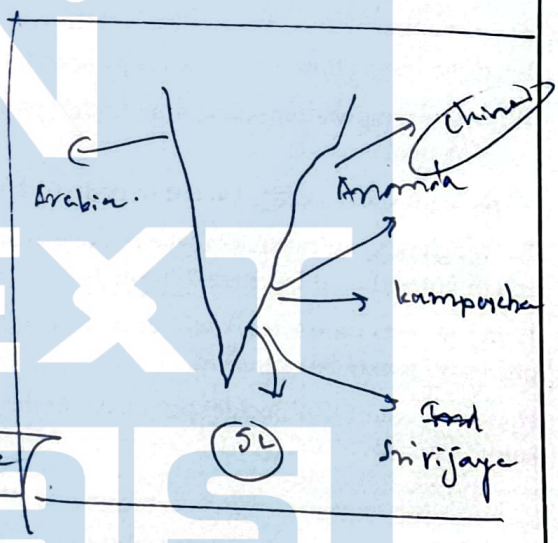
1. भारत को विदेशों से जोड़ने वाले प्राचीन व्यापारिक मार्गों ने संस्कृति के आदान–प्रदान और प्रसार में किस प्रकार योगदान दिया? (150 शब्दों में उत्तर दीजिए) 10 अंक

How did the ancient trade routes connecting India to foreign countries contribute to the exchange and dissemination of culture? (Answer in 150 words) 10 marks.

India, being dominant in trade, ever since monsoon discovery, both land and sea routes played important role.

(A) maritime route.

(1) the [maritime] the intellectual culture of [hinduism] to Arabia.



(2) The [chola architecture]

↳ parambanan temple [indonesia]

↳ Angkorwat temple [cambodia].

(3) The spread of religion: hindu

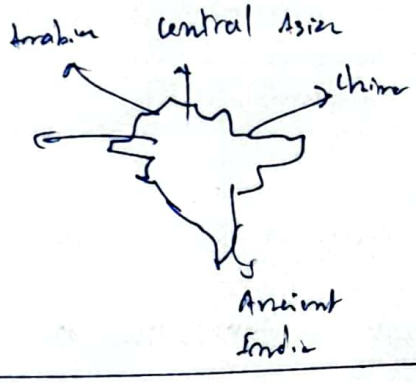
- hinduism in srivijaya | majapahit empire by Chola
- Buddhism in srilanka by Ashoka

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(A) Land routes.

1) The Amaravati domes:
↓
Inspired the domes of Islamic architecture.



2) The ~~Bamiyan~~ Bamiyan buddhas: ~~our~~ our sculptural skill to other countries.

3) Indian muslin cloth: for egyptian mummies.

4) Spread of Buddhism to china/ central Asia

Thus, the ancient trade routes, facilitated bidirectional spread of art - helping India to pursue religious/ cultural diplomacy (ex: Buddhist Circuit.

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2. भारत छोड़ो आंदोलन वर्ग विभाजन से परे एक जन आंदोलन था, लेकिन यह महिला नेतृत्व ही था जिसने स्पष्ट छाप छोड़ी। विश्लेषण कीजिए। (150 शब्दों में उत्तर दीजिए) 10 अंक

The Quit India movement was a people's movement cutting across the class divides but it was the women's leadership that left a clear mark. Analyse. (Answer in 150 words) 10 marks.

The Quit India movement ~~was~~ launched in August, was the ~~for~~ most violent Gandhian ~~force~~ movement.

Cutting Across class divides :-

- Even though the leaders where arrested, many sections participated
- The students and youth bunked all their studies.
- Women filled the gaps of Male leadership.
- Higher proportion of govt ~~servants~~ servants.
- even the States people participated with frenzy.

Women Leadership :

Women actually filled the gap as many men where arrested.

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(1) They did many underground activities to pass on information to masses.

(2) ~~Ut~~ Usha started an underground covert radio channel.

(3) Sucheta Kriplani and ~~Sarat~~ Kamaladevi Chattopadhyay / Sarojini Naidu led at all Levels.

Thus, the Quit India movement underpinned the complementarity of men and women in the shaping of India.

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3. 'स्वतंत्रता के पश्चात् के भारत की पहचान विज्ञान और प्रौद्योगिकी के क्षेत्र में इसकी उल्लेखनीय प्रगति रही है'। इस काल में हुए वैज्ञानिक विकास ने भारत को किस हद तक आधुनिकता के पथ पर अग्रसर किया?

(150 शब्दों में उत्तर दीजिए) 10 अंक

'The hallmark of post-Independent India has been its remarkable strides in science and technology'. To what extent did scientific development during this period put India on the path of modernity?

(Answer in 150 words) 10 marks

The rich history of science in Ancient India [Aryabhatta, Varahamihira] was carried forward in new modern India too.

The success in S&T

- Political focus: → annual science conferences.
  → The CSIR and allied institutions.
  ↓ BARC and ISRO.
- Space: → missions like Aryabhatta/ Apple/ Bashkara
  → deep space: Mangalyaan and Chandrayaan.
- Nuke: → used in medicine
  → indigenous nuclear power tech
- Defence: → building indigenous aircraft carrier – Vikramaditya
  ↓ many missiles – IGMDP & Kalam.
- Many stalwarts → Dr CV. Raman
  → subramanyam Chandrasekhar
  ↓ Shakuntala Devi
  ↓ Dr. Bhamta

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Putting in the path of modernity :

1. Deepening scifi temper among youngsters.
2. using the advancements → information communication
   - health outcomes. [combating covid-covaxin]
   - Supercomputers in climate
     - Agriforecast
     - resilience from disasters
3. overall growth in the economy.

Yet :
- there are regional disparities.
- not percolated deep.
- still superstitions is ripe in the society
- Practices like fgm [Dawoodi Bora], Tantrism, etc

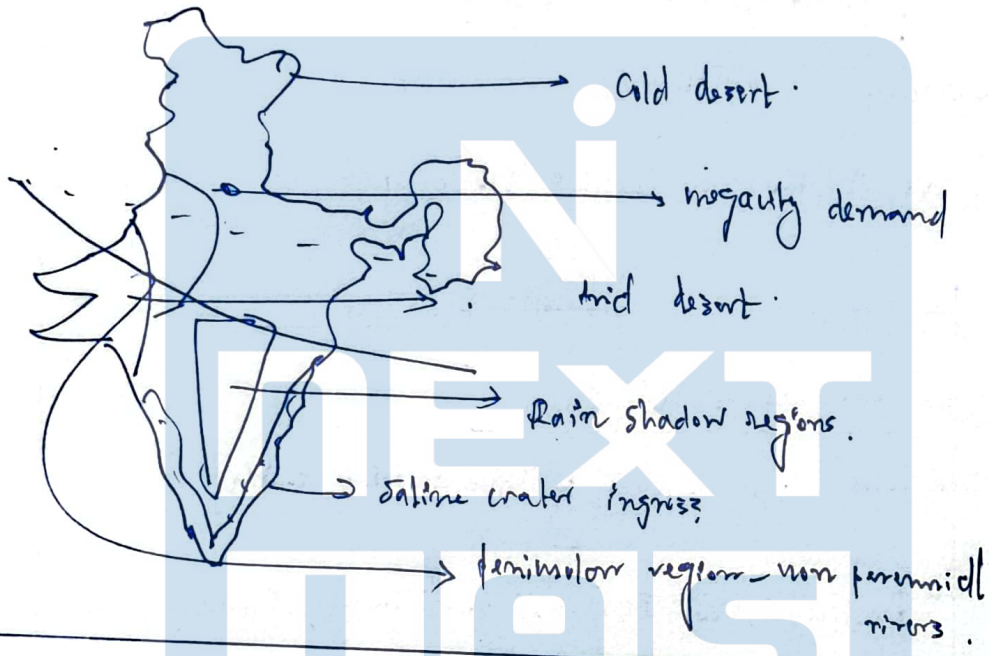
The new missions like Gaganyaan, Vigyaan sahbhi and new science policy 2021 are way forward.

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4. अन्य क्षेत्रों में जल संकट की समस्या को हल करने के लिए नदियों को आपस में जोड़ने की व्यवहार्यता पर चर्चा कीजिए। (150 शब्दों में उत्तर दीजिए) 10 अंक

Discuss the feasibility of Interlinking rivers to resolve the issue of water stress in other regions. (Answer in 150 words) 10 marks

India is home to 18% population but with 4% freshwater resources.



Feasibility Assessment:

(A) Favourability:

(1) The perenniality of the himalayan rivers

(2) The role of union government and 1st 2002

(3) The heaviness of the monsoons.

(4) The himalayan glaciers are melting

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③ The unfavourable factors.

① The terrain: The peninsula is very much at higher gradient → challenging to get water to the south.

② The ~~Sat~~ states: may not be willing to lose water share [KA – TN cauvery dispute].

③ climate change and vagaries of monsoon.

④ ~~Ext and~~ ecological damages.

⑤ ⑥ cost benefit and viability risk.

Way forward :-

↳ Open and impartial study

↳ Cost benefit - including humanitarian and ecological

↳ federal feasibility

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5. कोयला आधारित विद्युत संयंत्रों से नवीकरणीय ऊर्जा उत्पादन की ओर गमन का संरचनात्मक परिवर्तन कोयला समृद्ध राज्यों में मानव विकास को कैसे प्रभावित करेगा? (150 शब्दों में उत्तर दीजिए) 10 अंक

How will the structural shift from coal-based power plants to renewable energy generation impact human development in coal-bearing states? (Answer in 150 words) 10 marks

Owing to the commitment of Panchamrit i.e. & and phasing down of coal at COP-26

↓

There needs a shift to renewable sources across India.

Positive Impacts:-

1. Less displacement due to coal mining expansion [Ex: The Niyamgiri protest].
2. Better health of humans/ plant productivity
3. reduced forest rights & alienation in the tribal areas. → (Ex) Naxal ideology
4. Better quality of air/ water among others.
5. better access to cultural rights. (Ex) Niyamgiri hills.

Negative Impacts:

1. Loss of royalty to the states.
2. ∴ reduction in revenue and capital expenditure.

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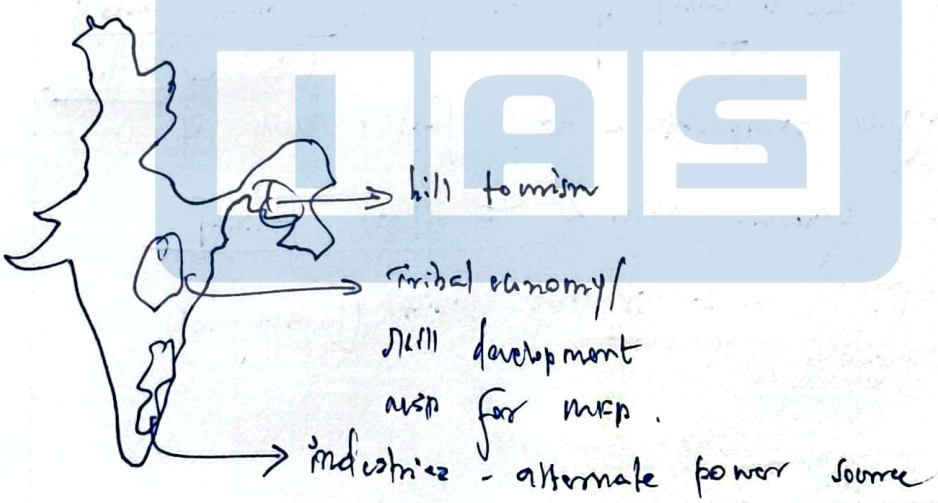
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3. The job loss - due to closure of mining and power plants.

4. Ancillary employment also reduces - city and transport/ services.

5. reduced power in those states: risk of deindustrialisation

Thus, while phasing down, it is important to have a plan B. for such areas.



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6. तापमान और वर्षण किस सीमा तक मृदा के गुणधर्मों को निर्धारित करने वाले सबसे महत्त्वपूर्ण कारक हैं?
(150 शब्दों में उत्तर दीजिए) 10 अंक

To what extent temperature and precipitation are the most important factors that determine soil properties?
(Answer in 150 words) 10 marks

Soil formation is a complex process affected by various factors

- parent rock
- vegetation
- temperature
- precipitation
- others

(A) Temperature:

1) The high temperature in deserts.
- Only for rock forms only arid soils.

2) The high temperature → high evaporation due to capillary action → Salinity rises.
(EA) → Kallar

3) higher temperature → faster decay of organic volume → poor fertility
(EA) → in the tropics. (malaysia)

(B) precipitation

1) soil type:
→ more leaching of sesquioxides.
↓
laterite soil – kerala

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Soil ppt: | Heavy rain leads to alkalinisation.

more weathering → lead to [clay content] → black soil is more clayey

C

Yet, other factors like

1) Animal activities: [↑ carbonate in fossil soils].
2) Plant gp/ vegetation [↑ acidity in hilly forests].
3) Parent bed rock.
4) Agronomic actions.

Also affect soil properties.

∴ Soil learned soil health corrects for well informed fertilizer addition → reverse land degradation.

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7. अरब सागर में प्रचंड और तीव्र चक्रवात एक नियमित घटना क्यों बनते जा रहे हैं? उदाहरणों सहित सिद्ध कीजिए। (150 शब्दों में उत्तर दीजिए) 10 अंक

Why are severe and intense cyclones becoming a regular phenomenon in the Arabian Sea? Substantiate with examples. (Answer in 150 words) 10 marks

The latest cyclone Biparjoy that hit Gujarat coast was an extremely severe cyclone which is a rarity for Arabian Sea.

cyclones → Nisarga
→ Kyarr
→ Tauktae

Recently in Arabian Sea

Earlier, there were not much cyclones:

- ↓ stratification
- more rain from monsoon → ∴ cool temperature
- moisture sucked by monsoon.

Of late:

① Global warming:

The IOR [> 1.0°c] rise is sea surface temperature than the 0.7°c elsewhere

② moisture:

is high owing to the global warming

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— this provides more strength for arabian cyclones

(3) Delay in monsoon:

- as owing to the climate disturbance overall
- this for provides adequate moisture.

(4) The La Nina event. : is often linked with higher arabian sea cyclones.

This underlines the need for fundamental shift in our disaster governance

- → odisha model in NW west states.
- → better preparedness of SDMA/ NDMA.
- → social framework and Panchamrit

must be imbibed in our development quest.

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8. भारत में सांस्कृतिक विविधता के संदर्भ में, क्या हम शेष भारत की तुलना में दक्षिणी राज्यों को विशिष्ट सांस्कृतिक इकाइयाँ मान सकते हैं? अपने दृष्टिकोण के औचित्य को सिद्ध कीजिए। (150 शब्दों में उत्तर दीजिए) 10 अंक

In the context of cultural diversity in India, can we consider Southern states as distinct cultural units in comparison to the rest of India? Substantiate your view. (Answer in 150 words) 10 marks.

Indic is a multicultural nation that has imbibed plural pluralism so much that this multiculturalism is itself ~~very diverse~~ very diverse

South - A distinct unit:

1. The linguistic divide: → As they speak the dravidian lang.
   ↳ Anti hindi agitation is more.
2. The climate divide: → more tropical than North
   ↳ No much winter
   - This affects the dress pattern
   - less winter attires; mostly cotton mundus/ sarees.
3. food divide: rice as their staple
   ↳ moulding their culture/ cuisines
4. Fes festivals: Agri impacts cultural festivals,
   eg: Sankranti/ pongal - Rice harvest.

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(5.) distinct history: As not (v) direct islamic rulers → (v) polarisation and communal voting.

Yet, there are a lot in common

- → Hindi as link in Bangalore / Hyderabad
- → LPG and PSU : led interstate migration
- → Defence - housing led homogenisation.
- → Panipuri
- → wearing Bandgalas. → more increasing

This underlies the spirit of unity in diversity = unity w/o uniformity and diversity w/o fragmentation

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9. गरीबी और जनसंख्या वृद्धि एक दुष्चक्र में फँसी हुई है, जहाँ गरीबी व्यक्तियों की इस चक्र से मुक्त होने की क्षमता को सीमित करती है, जबकि जनसंख्या वृद्धि संसाधनों पर दबाव डालती है। विवेचन कीजिए।

(150 शब्दों में उत्तर दीजिए) 10 अंक

Poverty and population growth are locked in a vicious cycle, where poverty restricts individuals' ability to break free from the cycle, while population growth strains resources. Discuss.

(Answer in 150 words) 10 marks.

This statement can be best proved by the

Great Indian demographic divide.



→ higher TFR / late stabilization

higher poverty (head count/MPP)

→ lower TFR < 2.1

higher growth. (to)

(A) higher poverty leading to more growth

→ Individual → less access to literacy

↘ less health seeking behavior

↓ more cultural norms → (1) childfree.

→ State → less resources for health → (2) NMR, IMR.

↓ less contraception provision

↓ less forest provision for education

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(B) higher population growth → more poverty due to resource crunch.

→ strain on fiscal finances

→ more disguised unemployment.

→ less provisioning of public services.

(Ex) TN - universal PDS.

To break this vicious cycle.

- The higher population growth must be seen as a resource

↓

This used for demographic dividend

↓

more saving → investment

↓ ↓ ↓

higher female literacy | Social change | higher and health services.

Thus, the vicious cycle could be turned into a virtuous cycle by policy reforms.

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10. शिक्षा के अंतर्राष्ट्रीयकरण में भारत के पास एक समृद्ध विरासत है। इस संदर्भ में 'शिक्षा के अंतर्राष्ट्रीयकरण' पर हाल ही में दिया जा रहा बल समाज को कैसे प्रभावित करेगा और सांस्कृतिक आदान–प्रदान को कैसे बढ़ावा देगा?

(150 शब्दों में उत्तर दीजिए) 10 अंक

India has a rich heritage in the internationalization of education. In this context how will the recent push for the 'internationalization of education' impact society and foster cultural exchange?

(Answer in 150 words) 10 marks.

The Ancient land of Nalanda and Taxila is pushing for internationalisation under NEP 2020

- Indian univ abroad (eg: Tanzania (IT))
- foreign univ in India (GIFT – Australian univ)
- students exchange [FSI].

Impact of internalisation on society and cultural exchange

(A) Positive impacts :–

- The spirit of research will increase. rather than job norms.
- modernization – Justice, etc
- more Cosmopolitan: increase in tolerance
- cultural exchange: Ubuntu of Tanzania will reach Indian shores.

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(B) ~~R~~ negative impacts.

→ more ~~x~~ rigidity / orthodox values. from other nations.

→ more commercialisation. — impacts equity in education

→ societal divide → education haves. → have nots.

→ cultural conflicts / racial discrimination

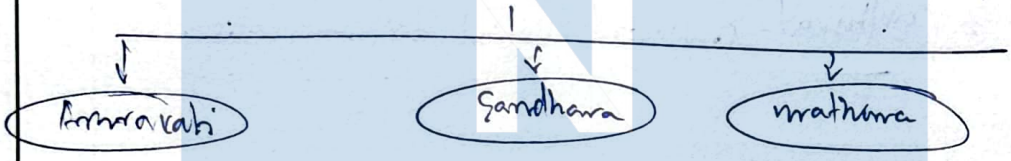
Thus, the government must include sociologists. and anthropologists. in designing a plan for betterment of the society.

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11. यद्यपि गांधार और मथुरा कला के बीच कई अंतर थे, तथापि इन दोनों ने अमरावती कला शैली (अमरावती स्कूल ऑफ आर्ट) को पर्याप्त रूप से प्रभावित किया।' सविस्तार वर्णन कीजिए। (250 शब्दों में उत्तर दीजिए) 15 अंक

'Although there were many differences between the Gandhara and Mathura art, they considerably influenced the Amravati school of art.' Elaborate. (Answer in 250 words) 15 Marks

The ~~pos~~ post maryan era is the golden period of Indian sculpture as it not only witnessed Great sculptures but also a diversity by in the form of (3) schools.



Though Gandhara and mathura developed under the patronage of the Kushans.

Gandhara	Mathura
1) Potrayed only Buddhas.	1) Portrayed Buddhism/ Jainism and hinduism
2) used more idealism in the art [Muscular Buddha]	2) They used more symbolism/realism – [halo]
3) foreign influences – Greek and Roman	3. They were totally indigenous.

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They used grey soap stone.	They used red sandstone.
They developed around Textile	They developed in the Indo-gangetic plains.

Their influence on Amravati.

(A) Reasons:

- Amravati was a port kingdom.
- The cultural exchange that happened in post mauryan society
- migrations of the sculptors.
- The religious emissaries.

(B) Features:

- The theme of Buddhism.

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- The aesthetic and realism of the Gandhara.

- The symbolism of matrure - ⑤: ~~Jataka~~

Along with this, they employed dynamism in their art.

- used granite and sandstones.

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12. 'इंग्लैंड की औद्योगिक क्रांति ने न केवल आर्थिक परिदृश्य को बदल दिया बल्कि इसके दूरगामी सामाजिक और सांस्कृतिक प्रभाव भी पड़े'। विवेचना कीजिए। (250 शब्दों में उत्तर दीजिए) 15 अंक

'England's Industrial Revolution not only transformed the economic landscape but also had far-reaching social and cultural impacts' Discuss. (Answer in 250 words) 15 marks

The invention of using the power of steam to augment industrial production led to Industrial revolution (12) in the 18th century England.

power of steam
assembly of workers.
other factors.
→ Assembled at factories. → (12)

Transformation of economic landscape:

① the ease with which goods were produced
② less time taken – enabling mass production.
③ selling abroad – more capital generation.
④ this was further invested → boosted revolution.
⑤ Feudalism → changed to mercantile capitalism.
⑥ the running of government became the interest of shareholders.
⑦ importer of finished goods → exporter of goods.

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Social impacts.

Positive Impacts.	Negative
① The rise of new classes.	→ stratification of societies
② Rise in middle class → prosperity	→ pauperisation of working class. ~~class.~~
③ impact on politics. → Fabian socialism.	- The women were exploited - children were denied their rights.
④ improvement in human development, nutrition	- higher career in those who chanced coal.

Cultural impacts.

1) Rise in art and architecture [neo roman]	- tied to colonialism, that led to imperialism
2) New found English pride	- Also racial discrimination in new colonies.
3) growth in literature	- white man's burden

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4) ↑ urbanisation and associated urban renaissance.

5) good mental health.

↑ rise in crimes in cities.

homogenisation of ~~world~~ world - spread of ~~modernity~~ westernisation.

Thus, the (IR) impacted not just the Englishmen but also the whole world

This was later revealed in the anticolonial movement...

Economy driven [economic] → De-colonisation [culturally] → Revivalism [socially].

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13. उन्नीसवीं सदी में पिछड़े पारंपरिक तत्त्वों और औपनिवेशिक संस्कृति के आधिपत्य के खिलाफ सामाजिक सुधार और वैचारिक संघर्ष ने एक विशिष्ट सांस्कृतिक पहचान और राष्ट्रीय चेतना के उद्भव को कैसे प्रभावित किया?
(250 शब्दों में उत्तर दीजिए) 15 अंक

How did the social reform and ideological struggle against the backward traditional elements and hegemony of colonial culture in the nineteenth century influence the emergence of a distinct cultural identity and national consciousness?
(Answer in 250 words) 15 marks.

The social reform movements are common to any decolonisation movement - negritude movement [Africa], Pan Arabianism [Arabia].

In India too, the social movements had two components.

(A) Social reform : Against the backward traditional elements.

(B) national ideology : Against Imperial hegemony

(A) [Social reforms] teach - Countering backward elements.

(1) The Anti Brahmanical movements: Ezhava. Self respect.

(2) the Hindu revivalism like Arya samaj and Theosophical society - that wanted to counter corrupt practices

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③ The reformist movements:

The Aligarh movement } for ending the
The Brahmo samaj } intellectual backwardness

④ The demography specific movements:

Widow remarriage → Vinu Joshi, Ishwarchandra.
Women/child education → Phule

⑤ Ideological struggle against colonial culture

1) pride for the oriental/indic values. → Arya Samaj.
Theosophical society.

2) Synthesis of universal values. [All are equal] → by Ram Mohan Roy. [unitarianism, monotheism].

3) to pride for Indian civilisation → - Hindu Mahasabha.
- swadeshi [steam company.

Both of these aspects led to the following developments gradually.

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① formulation of western educated intellectuals, yet grounded in Indian values.

② promoting education - Indian in thought.
[Banaras Hindu university]

③ Gradual realisation of Common Indic bond.

④ ~~form~~. formation of ~~homeland concept~~ homeland concept
(i.e: Desbandi - Muttahida Quawmiyat)

⑤ Indian Artist Abanindranath tagore

Thus, the socio cultural reform movements, gradually welded the diverse social groups into one nation group, even before the proclamation of the republic.

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14. तापमान व्युत्क्रमण वायुमंडलीय दशाओं को कैसे प्रभावित करता है और स्थानीय मौसम प्रतिरूप और वायु प्रदूषण स्तरों के लिए इसके क्या निहितार्थ हैं? (250 शब्दों में उत्तर दीजिए) 15 अंक

How does temperature inversion affect atmospheric conditions and what are its implications for local weather patterns and air pollution levels? (Answer in 250 words) 15 Marks

Generally, there is adiabatic drop in temperature. As the air parcel moves up to the atmosphere. When there is rise in temperature., in contrast, this is temperature inversion.

- Stratospheric inversion
  - Affecting the atmosphere
  - Strato-sphere hot due to ozone breakdown.
- Subsidence inversion
  - due to subsidence of air mass.
  - prevent rise of air parcel from ground
- frontal
  - Due to lifting of the cold front.
  - warmer front is occluded
- valley Radiation inversion
  - Hot
  - cold
  - clear sky, causing rapid cooling
  - This creates inversion.

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Impacting local Atmosphere:

- The inversion prevents rising of the air parcel.
- It prevents the internal/vertical mixing in the atmosphere.
- The subsidence causes high pressure.
- There is reduced evaporation from surface.
- uneven heating of the atmosphere.
- inhibits precipitation.

Local weather	Pollution
1) frost and cold nights in the valleys.	1) Smog formation (ex: London smog)
2) Reduced rain in the subsidence zones (Delhi).	- more time for dispersal

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3) Fog and mist in the Radiation zones.
- Affecting air and vehicles.

4) dissipation of temperate cyclone in frontal zones.
- ① health issues in humans.
- ② plant and animal productivity.

5) high atmospheric temperature is mesosphere

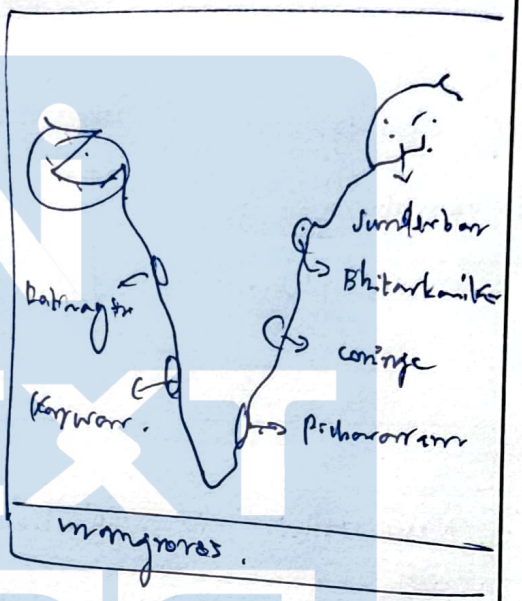
The news delhi air pollution every winter is due to the subsidence/ high atmospheric pressure conditions.

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15. भारत में मैंग्रोव वनस्पति के लिए कौन से भौगोलिक कारक उत्तरदायी हैं? जलवायु परिवर्तन भारत में मैंग्रोव वनस्पति के लिए किस प्रकार खतरा उत्पन्न करता है? (250 शब्दों में उत्तर दीजिए) 15 अंक

What are the geographical factors responsible for mangrove vegetation in India? How does climate change pose a threat to mangrove vegetation in India? (Answer in 250 words) 15 Marks

Mangroves are salt tolerant vegetations that are found predominantly in the estuaries of the coastal zones.



Geographical factors:

① freshwater source: like the river water from inland

② Tropical water: (25-27°C) Ambient temperature is need for their growth

③ ① siltation: otherwise, their pneumatophores will be blocked

④ dominant salinity: by proper intermixing of saline/freshwater.

⑤ good nutrient: for their rapid growth.

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Climate change and Mangroves.

Global warming → higher sea surface temperature

more salinity in sea water → thus their salt tolerance is inadequate

adverse weather front → destroying them - eg: cyclone Fani in WB.

nutrition insecurity, induced aquaculture → diversion of saltwater, depriving mangroves

heavy flooding / siltation → affecting pneumatophores.

others → human activity
- e.g. coastal development.
- ecotourism
- tsunamis.
- prawn culture

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Measures needed:

(a) mangrove specific:
- → promotion of their cultivation [pm - Vashisth]
- → safeguarding them by CRZ rules.
- → community involvement.
- → Reducing/ Regulating aquaculture

(b) climate specific:
by adhering → paris 2015 NDC.
→ promoting renewable
→ phasing out fossil fuels.

mangroves → promote carbon fixation → leading to win-win situations
normal climate promote mangroves

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16. चीनी उद्योग की अवस्थिति को प्रभावित करने वाले भौगोलिक और आर्थिक कारक कौन–कौन से हैं, और वे भारत और विश्व के विभिन्न भागों में इस उद्योग के विकास में किस प्रकार योगदान करते हैं?

(250 शब्दों में उत्तर दीजिए) 15 अंक

What are the geographical and economic factors that influence the location of the sugar industry, and how do they contribute to the growth of the industry in India and different parts of the world?

(Answer in 250 words) 15 Marks

India has a very great legacy in sugar industry and it is one sector that pioneered cooperative movement.

(A) Geographic factor.

① Availability of well drained soil

② Ambient temperature:

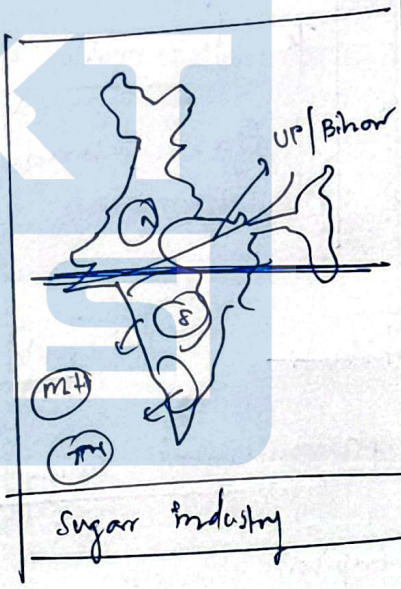
frost – crops are damaged

hot – juice

③ Irrigation:

either canal (up) based or groundwater (MH)

④ proximity to mills.



Sugar industry

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(3) Economic factors.

→ sugar mills = Colocation of sugarmills.

→ skilled workers → and cheap labourers.

→ ~~Colocation~~ Availability of power.

→ demand for jaggery, baggase, ets

→ credit culture: cooperative banks have strengthened (MH) sugar industry.

→ favourable government policies: as these Cooperatives have captured politics,

contributi

World over

1) governmental support, Cuban sugar by USSR.

2) tropical climate: in central america and cuba.

3) immediate market demand: the ~~from~~ former colonies of America/Europe.

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Time up

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17. शुष्क और अर्ध–शुष्क क्षेत्रों में जल की कमी को दूर करने और कृषि उत्पादकता को अधिकतम करने के लिए शुष्क–भूमि कृषि में उपयोग की जाने वाली मुख्य रणनीतियाँ क्या हैं? साथ ही, भारत में शुष्क–भूमि कृषि को बढ़ावा देने की आवश्यकता पर भी चर्चा कीजिए। (250 शब्दों में उत्तर दीजिए) 15 अंक

What are the key strategies used in dryland farming to overcome water scarcity and maximize agricultural productivity in arid and semi-arid regions? Also, discuss the need to promote dryland farming in India. (Answer in 250 words) 15 Marks

Climate change is fast becoming the challenge to food security, particularly in India which is more vulnerable as per climate change vulnerability report.

Dryland farming is one of the pillars of climate smart agriculture.

Key strategies :-

① Crop Agro climatic conditions based crop selection → This will reduce the demand for irrigation.
→ crops are more hardy and good productivity
(Eg) : Millets.

② change the irrigation pattern → like SSRI – for rice cultivation, that will employ less water, while augmenting production.

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(3) Reducing evaporo ~~evaporo~~ transpiration → by mulching, Agro forestry } thereby (1) water while boosting productivity.

(Eg): ZBNF in KA/AP.

(4) - Fertigation:

That will ensure reduced erosion of soil / (1) degradation while improved productivity

∴ fertilizer used in drylands without the risk of land degradation.

(5) Augmenting water supply

→ by ILR - linking [Rnp - Betwa]

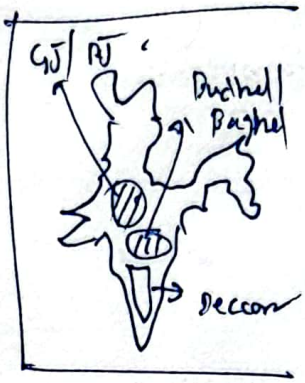
→ Cloud seeding - KA.

→ PM Krishi Sinchayi - using micro irrigation methods.

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The need to promote dryland farming:

1. Majority of Indian farmland is rainfed (>55%)



2. To increase food production.
3. Adapting to water stress [(4% pop, but 4% water)].
4. reducing underground exploitation.
5. reducing crop failure → farmer suicides. [MH]
6. Thus, promoting dryland farming is a must for climate threatened/water stressed India.

- Atal Bhoojal Yojana
- PM-Krishi Sinchayee Yojana
- Millet promotion

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18. समकालीन महिला आंदोलन ने पारंपरिक पद्धतियों से परे विविध दृष्टिकोणों को कैसे सम्मिलित किया है? साथ ही, समकालीन महिला आंदोलन के अनूठे योगदान और चुनौतियों पर भी प्रकाश डालिए।

(250 शब्दों में उत्तर दीजिए) 15 अंक

How has the contemporary women's movement encompassed diverse approaches beyond traditional methods? Also, highlight the unique contribution and challenges of the contemporary women's movement.

(Answer in 250 words) 15 marks.

The Indian feminist arena has a rich legacy from the social reforms during moderate national struggle & the Gandhian phase.-

The traditional methods.

- → dominated by elitist educated members.
- → usually political party led [ex: INC].
- → using traditional ~~tools~~ forums:
  - → parliament/media, etc.
- → narrow ~~pri~~ prism of only women issues.
- → ~~still~~ usually receptive of what is given.

But of late, there is a ~~form~~ transformation for women's movements, in following:

- ~~Co~~ using new media:
  - → TV debates.
  - → social media [#MeToo]

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② Wide inclusion: of all sections & and classes.

③ multiple forums: → grass roots
→ Intl forums

④ Using ~~data~~ politics as a stage: (Ex) Jyoti Nirbhaya, there was political change in VCL.

The contributions of contemporary movements:

→ The concept of intersectionality :- minority / Dalit - women.

→ Social change: mainstreaming issues like marital rape

→ initiating conversations.

→ feminism for new areas → digital [sexual violence is condemned]
→ ecology

→ ~~Pol~~ political awakening of women

→ support to other gender minorities: LGBT

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Challenges.

- being trolled as pseudo feminism.
- lack of state support. Eg: wrestlers protest
- Counter movements by men too.
- Still divided across state/ caste/ class
  Eg: situation in manipur issue.

For the movement to gather more strength, its vital to open more social dialogue and change social attitudes. Only then women empowerment is possible.

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19. क्या आपको लगता है कि आधुनिकीकरण की ताकतें, जिन्होंने भारतीय समाज में सामाजिक बुराइयों के उन्मूलन को उत्प्रेरित किया, ने हमारे सांस्कृतिक मूल्यों और लोकाचार को भी खतरे में डाल दिया है?

(250 शब्दों में उत्तर दीजिए) 15 अंक

Do you think that the forces of modernization that catalyzed the eradication of social evils in Indian society have also threatened our cultural values and ethos? (250 words) 15 marks.

modernisation is not mere imitation of the western society but the adoption of modern ideals - equality/ liberty/ fraternity/ dignity.

Forces of modernisation
- The intellectual sources like academia
- globalisation and emigration
- The art forms.
- digitization of society
- The modern constitution.

These forces eradicated the following evils in following manner.

1. by establishing equality and dignity.
2. Modern laws ban patriarchal norms. [untouchability banned] [Purdah/ Triple Talaq]
3.
4. They have made the society more egalatarian - diluted caste structure.

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Yes

Yes, they have not threatened our heritage/ ethos.

→ there is moral dilution in family's stability [↑ divorce, single parent].

→ ① importance to rituals.

→ dilution of community celebrations of festivals.

→ new identities are emerging:

Ex: homosexuality, gender fluidity

No, they have not changed:

Any society only changes as it undergoes. Ex transformation.

The above said changes only stand for following.

1. The right to choose
2. secularisation of social life
3. .
4. Expansion of civil liberties.

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We are still preserving our identities.

- Columbarium → covid
- Vasudeiva kutumbakam → foreign policy
- The role of family remains same [parents going abroad to raise children].
- Secular ethos: Onam/etc.
- Emphasis on character
- Ecological principles → eco friendly diwali.

Thus, the modernisation forces have only helped in betterment of the society, rather than outrightly changing it.

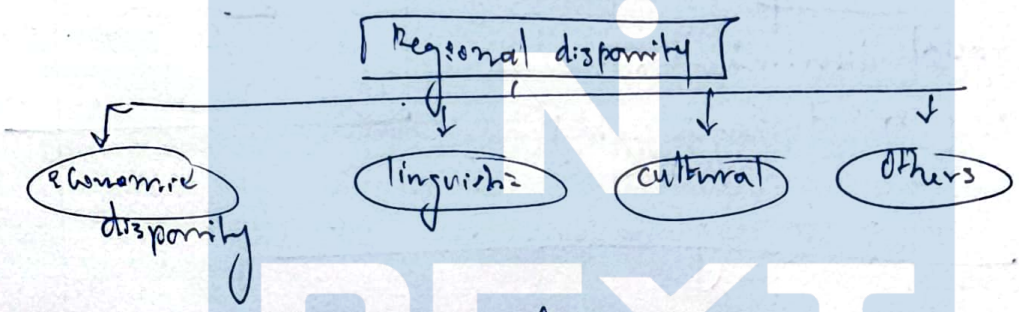
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20. भारत में राज्यों के संदर्भ में क्षेत्रीय विषमता और क्षेत्रीयता की भावनाओं के बीच संबंधों का मूल्यांकन कीजिए। क्या क्षेत्रवाद राष्ट्रवाद के विचार का विरोधी है? (250 शब्दों में उत्तर दीजिए) 15 अंक

In the context of states in India evaluate the relationship between regional disparity and sentiments of regionalism. Is regionalism antagonistic to the idea of nationalism? (Answer in 150 words) 15 marks.

Regionalism can be defined as excessive attachment to one's own region over and above the larger nation.



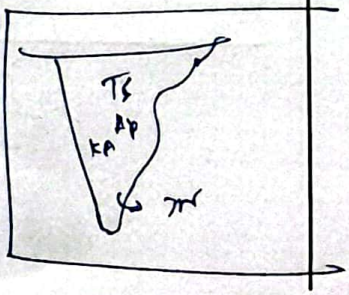
(A) economic disparity and regionalism:

- the identity of tribalism
- the perceived common backwardness
- Led to formation of Chattisgarh and Jharkhand
- Also the reason for [hotbed naxalism]



(B) linguistic regionalism:

- the dravidian languages.
- perceived hindi imposition [to the new IPC/ CrPC]

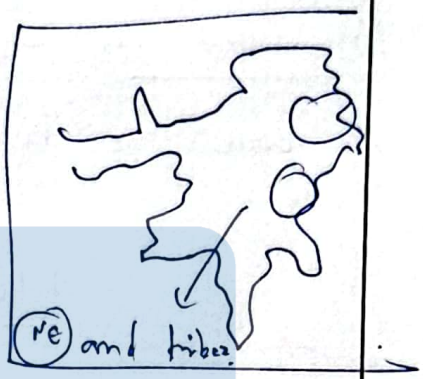


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- All this points to the linguistic disparity and associated regionalism

(c) Cultural regionalism :-

- owing to the cultural and ethnic identities,
- the disparity in form of racial discrimination
  [ex: during covid]



[leading to regionalism in NE.

(d) others:

(1) the majoritarian - minority power matrix and the sentiment of ~~non~~ hindi heartland

(2) The infrastructure disparity and the feeling among hill states,

(3) The geographical isolation in Ladakh, Lakshadweep.

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Regionalism vs Nationalism

Though: ⇄ Regionalism may outgrow nationalism
→ break the growth of the homogenous nationalism.

It is always enables national interest.

- → by Competition for growth
- → A stabilising force to redistribute resources.
- → by checking majoritarianism
- → by promoting diversity
- → by complementing one another

Thus, regionalism can be a boost if it is managed and used effectively. — the idea of Ek Bharat shresth Bharat.